MUSCLE & NERVE

Official Journal of the American Association of Neuromuscular & Electrodiagnostic Medicine

CONTENTS

JANUARY 2012

vi **Between the Covers: This Month's Main Articles**

EDITORIAL 1 **From the Editor**
Lawrence H. Phillips, II, MD

INVITED REVIEW 2 **Bladder Dysfunction in Peripheral Neuropathies**
Ahmet Z. Burakgazi, MD, Bander Alsowaity, MD, Zeynep Aydin Burakgazi, BS, Dogan Unal, MD, and John J. Kelly, MD

RESEARCH ARTICLES 9 **Hematoma Risk After Needle Electromyography**
Andrea J. Boon, MD, Jon T. Gertken, MD, James C. Watson, MD, Ruple S. Laughlin, MD, Jeffrey A. Strommen, MD, Michelle L. Mauermann, MD, and Eric J. Sorenson, MD

13 **Magnetic Resonance Imaging of Peripheral Nerves: Differences in Magnetization Transfer**
Giulio Gambarota, PhD, Gunnar Krueger, PhD, Nicolas Theumann, MD, PhD, and Ralf Mekle, PhD

18 **Interobserver Agreement of Medical Research Council Sum-Score and Handgrip Strength in the Intensive Care Unit**
Greet Hermans, MD PhD, Beatrickx Clerckx, PT, Tine Vanhullebusch, PT, MSc, Johan Segers, PT, MSc, Goele Vanpee, PT, MSc, Christophe Robbeets, PT, Michael Paul Casaer, MD, Pieter Wouters, MSc, Rik Gosselink, PT, PhD, and Greet Van Den Berghe, MD, PhD

26 **Amyloid Neuropathy Mimicking Chronic Inflammatory Demyelinating Polyneuropathy**
Stephane Mathis, MD, Laurent Magy, MD, PhD, Laho Diallo, MD, Sami Boukhris, MD, and Jean-Michel Vallat, MD

32 **Protective Effect of Sodium Ascorbate on Efficacy of Intramuscular Transplantation of Autologous Muscle-Derived Cells**
Urszula Bartoszuk-Bruzzone, PhD, Anna Burdzińska, PhD, Arkadiusz Orzechowski, PhD, and Zdzisław Kłos, PhD

39 **Full-Length Phrenic Nerve Transfer as the Treatment for Brachial Plexus Avulsion Injury to Restore Wrist and Finger Extension**
Haodong Lin, MD, PhD, Chunlin Hou, MD, and Desong Chen, MD

43 **Do the Motor Manifestations of Parkinson Disease Alter Motor Axon Excitability?**
Stacey K. Jankelowitz, PhD and David Burke, DSc

48 **Targeting of Kv7.5 (KCNQ5)/KCNE Channels to Surface Microdomains of Cell Membranes**
Meritxell Roura-Ferrer, MD, Laura Solé, MSc, Anna Oliveras, MSc, Alvaro Villarroel, PhD, Núria Comes, PhD, and Antonio Felipe, PhD

55 **Transforming Growth Factor-Beta Induces Skeletal Muscle Atrophy and Fibrosis Through the Induction of Atrogin-1 and Scleraxis**
Christopher L. Mendias, PhD, Jonathan P. Gumucio, BS, Max E. Davis, Caleb W. Bromley, Carol S. Davis, BS, and Susan V. Brooks, PhD

60 **Differential Aging of Median and Ulnar Sensory Nerve Parameters**
Robert A. Werner, MD, MS, Alfred Franzblau, MD, Hannah J.S. D'Arcy, MS, Bradley A. Evanoff, MD, and Henry C. Tong, MD

65 **Prolonged Hindlimb Unloading Leads to Changes in Electrophysiological Properties of L5 Dorsal Root Ganglion Neurons in Rats After 14 Days**
Jun-Chan Ren, PhD, Xiao-Li Fan, BS, Xin-Ai Song, BS, Xue-Hong Zhao, PhD, Ming-Xia Chen, BS, and Lei Shi, PhD

70 **Pain in Patients with Myotonic Dystrophy Type 2: A Postal Survey in Finland**
Kimmo I. Suokas, MD, Maija Haanpää, MD, PhD, Hannu Kautiainen, MSc, Bjarne Udd, MD, PhD, and Aki J. Hietaharju, MD, PhD

75 **Oxyneurography: A New Technique for the Measurement of Nerve Oxygenation**
Joe F. Jabre, MD, Giovanna M. Squintani, MD, and Kenneth K.H. Chui, PhD

81 **Validation of a New Strength Measurement Device for Amyotrophic Lateral Sclerosis Clinical Trials**
Patricia L. Andres, DPT, MS, Linda M. Skerry, PTA, Theodore L. Munsat, MD, Brenda J. Thornell, BS, Jackie Szymonifka, MA, David A. Schoenfeld, PhD, and Merit E. Cudkowicz, MD, MSc

86 **Characterization of Non–Length-Dependent Small-Fiber Sensory Neuropathy**
Sara Khan, MD and Lan Zhou, MD, PhD

92 **Human Muscle Fascicle Behavior in Agonist and Antagonist Isometric Contractions**
Emilie M. Simoneau, PhD, Stefano Longo, PhD, Olivier R. Seynnes, PhD, and Marco V. Narici, PhD

100 **Effects of Fatigue on Motor Unit Firing Rate Versus Recruitment Threshold Relationships**
Matt S. Stock, MS, Travis W. Beck, PhD, and Jason M. Defreitas, MS

110 **Twitch Potentiation After Voluntary Contraction and Neuromuscular Electrical Stimulation at Various Frequencies in Human Quadriceps Femoris**
Naokazu Miyamoto, PhD, Atsuki Fukutani, MSc, Toshimasa Yanai, PhD, and Yasuo Kawakami, PhD

116 **H-Reflex Modulation in the Human Medial and Lateral Gastrocnemii During Standing and Walking**
Yukiko Makihara, PT, Richard L. Segal, PT, PhD, Jonathan R. Wolpaw, MD, and Aiko K. Thompson, PhD

SHORT REPORTS

126 **Sural-To-Radial Amplitude Ratio in the Diagnosis of Diabetic Sensorimotor Polyneuropathy**
Carolina Barnett, MD, Bruce A. Perkins, MD, MPH, Mylan Ngo, RT, Slavko Todorov, RT, Rita Leung, RT, and Vera Bril, MD, FRCP

128 **Altered β-Adrenergic Response in Mice Lacking Myotonic Dystrophy Protein Kinase**
Esther Llagostera, PhD, María Jesús Álvarez López, MS, Cecilia Scimia, PhD, Daniele Catalucci, PhD, Marcelina Párrizas, PhD, Pilar Ruiz-Lozano, PhD, and Perla Kaliman, PhD

131 **Coping Strategies in Relation to Quality of Life in Amyotrophic Lateral Sclerosis**
Sébastien Montel, PhD, Laurence Albertini, PhD, and Elisabeth Spitz, PhD

CASES OF THE MONTH

135 **A Novel Small Deletion in PMP22 Causes a Mild Hereditary Neuropathy with Liability to Pressure Palsies Phenotype**
Carlos Casasnovas, MD, PhD, Isabel Banchs, BHSc, Laura De Jorge, BPharm, Maria Antònia Alberti, MD, Yolanda Martínez–Campo, AST, Mónica Povedano, MD, Jordi Montero, MD, PhD, and Victor Volpini, MD, PhD

138 **Diffuse Large B-Cell Lymphoma Presenting as Miller Fisher Syndrome**
Nida Usmani, MD, Rita Bhatia, MD, Offiong F. Ikpatt, MD, PhD, and Khema R. Sharma, MD

144 **Skin Biopsy–Proven Flecainide-Induced Neuropathy**
Ahmet Z. Burakgazi, MD, Michael Polydefkis, MD, MPH, and Ahmet Höke, MD, PhD

LETTERS TO THE EDITOR

147 **Does Increased Serum IL-17 Level Imply Its Pathogenic Role in Myasthenia Gravis?**
Hai-Feng Li, MD, PhD and Yan-Chen Xie, MD, PhD

147 **Reply**
José C. Roche, MD and José L. Capablo, PhD

149 **Erratum**

151 **Calendar of Events**

152 **AANEM News and Comments**

FEBRUARY 2012

vi **Between the Covers: This Month's Main Articles**

ISSUES & OPINIONS

157 **UBQLN2/P62 Cellular Recycling Pathways in Amyotrophic Lateral Sclerosis and Frontotemporal Dementia**
Faisal Fecto, MD and Teepu Siddique, MD

RESEARCH ARTICLES

163 **Knee Extensor Strength Exhibits Potential to Predict Function in Sporadic Inclusion-Body Myositis**
Linda Pax Lowes, PT, PhD, Lindsay Alfano, DPT, PCS, Laurence Viollet, PhD, Xiomara Quintero Rosales, MD, Zarife Sahenk, MD, PhD, Brian K. Kaspar, PhD, K. Reed Clark, PhD, Kevin M. Flanigan, MD, Jerry R. Mendell, MD, and Michael P. McDermott, PhD

169 **Discrimination of Spinal and Bulbar Muscular Atrophy from Amyotrophic Lateral Sclerosis Using Sensory Nerve Action Potentials**
Tetsuo Hama, MD, Masaaki Hirayama, MD, PhD, Takashi Hara, MD, Tomohiko Nakamura, MD, PhD, Naoki Atsuta, MD, PhD, Haruhiko Banno, MD, PhD, Keisuke Suzuki, MD, PhD, Masahisa Katsuno, MD, PhD, Fumiaki Tanaka, MD, PhD, and Gen Sobue, MD, PhD

175 **Fasciculation Potentials in Amyotrophic Lateral Sclerosis and the Diagnostic Yield of the Awaji Algorithm**
Mana Higashihara, MD, Masahiro Sonoo, MD, Ichiro Imafuku, MD, Toshio Fukutake, MD, Keiko Kamakura, MD, Kiyoharu Inoue, MD, Yuki Hatanaka, MD, Teruo Shimizu, MD, Shoji Tsuji, MD, and Yoshikazu Ugawa, MD

183 **Carpal Tunnel Syndrome: Clinical, Electrophysiological, and Ultrasonographic Ratio After Surgery**
Jun Yeon Kim, MD, Joon Shik Yoon, MD, Sei Joo Kim, MD, Sun Jae Won, MD, and Jin Seok Jeong, MD

189 **Necrotizing Myopathy: Clinicoserologic Associations**
Elizabeth Ellis, MBBS, Ju Ann Tan, BMBS, Sue Lester, BSc, Graeme Tucker, BSc, Peter Blumbergs, FRCPA, Peter Roberts-Thomson, FRCPA, FRACP, and Vidya Limaye, FRACP, PhD

195 **Clinical Utility of Sensory Nerve Conduction of Medial Femoral Cutaneous Nerve**
Shin J. Oh, MD, Yuki Hatanaka, MD, Masayuki Ohira, MD, Katsuimi Kurokawa, MD, and Gwen C. Claussen, MD

200 **Impaired Expression of Insulin-Like Growth Factor-1 System in Skeletal Muscle of Amyotrophic Lateral Sclerosis Patients**
Christian Lunetta, MD, Massimo Serafini, BS, Alessandro Prelle, MD, PhD, Paolo Magni, MD, PhD, Elena Dozio, PhD, Massimiliano Ruscica, PhD, Jenny Sassone, PhD, Clarissa Colciago, PhD, Maurizio Moggio, MD, PhD, Massimo Corbo, MD, PhD, and Vincenzo Silani, MD, PhD

209 **Ocular and Generalized Myasthenia Gravis Induced by Human Acetylcholine Receptor γ Subunit Immunization**
Xiaorong Wu, MD, Erdem Tuzun, MD, Jing Li, MD, Tianlin Xiao, PhD, Shamsher S. Saini, PhD, Huibin Qi, MD, Windy Allman, PhD, and Premkumar Christadoss, MD

217 **Effective Zone of Botulinum Toxin A Injections in Hallux Claw Toe Syndrome: An Anatomical Study**
Je-Hun Lee, PhD, Seung-Ho Han, MD, PhD, Jun-Feng Ye, MD, Be-Na Lee, MD, Xiaochun An, MD, and Seong-Oh Kwon, MD

222 **High-Frequency Sonography of the Volar Digital Nerves of the Hand**
James M. Kessler, MD, MPH, Mauricio de la Lama, MD, Hillary R. Umans, MD, and Judith Negron

227 **Sonographic Assessment of Suture Artifact Obscuring Visualization of the Digital Nerve**
Mauricio de la Lama, MD, James M. Kessler, MD, MPH, Hilary R. Umans, MD, Keshav Magge, MD, Ralph W. Liebling, MD, and Judith Negron

231 **Chronic Nerve Compression Alters Schwann Cell Myelin Architecture in a Murine Model**
Ranjan Gupta, MD, Nima Nassiri, BS, Antony Hazel, MD, Mary Bathen, BS, and Tahseen Mozaffar, MD

242 **Differences in Capillary Architecture, Hemodynamics, and Angiogenic Factors in Rat Slow and Fast Plantarflexor Muscles**
Hidemi Fujino, PhD, Hiroyo Kondo, MS, Shinichiro Murakami, PhD, Fumiko Nagatomo, MS, Naoto Fujita, PhD, Isao Takeda, PhD, Akihiko Ishihara, PhD, and Roland R. Roy, PhD

250 **Gender Differences in Contractile and Passive Properties of *mdx* Extensor Digitorum Longus Muscle**
Chady H. Hakim, MS and Dongsheng Duan, PhD

257 **Reliability of a Simple Method for Determining Muscle Fiber Conduction Velocity**
Kyle C.D. McIntosh, MSc and David A. Gabriel, PhD

266 **p38γ Activity is Required for Maintenance of Slow Skeletal Muscle Size**
William H. Foster, BS, James G. Tidball, PhD, and Yibin Wang, PhD

SHORT REPORTS

274 **The Novel TrkB Receptor Agonist 7,8-Dihydroxyflavone Enhances Neuromuscular Transmission**
Carlos B. Mantilla, MD, PhD and Leonid G. Ermilov, PhD

276 **Concentric Needle Jitter in Stimulated Frontalis in 20 Healthy Subjects**
João A. Kouyoumdjian, MD, PhD and Erik V. Stålberg, MD, PhD

CASES OF THE MONTH

279 **Thomsen or Becker Myotonia? A Novel Autosomal Recessive Nonsense Mutation in the *CLCN1* Gene Associated with a Mild Phenotype**
Juliana Gurgel-Giannetti, MD, PhD, Adriano S. Senkevics, BSc, Dinorah Zilbersztajn-Gotlieb, BSc, Lydia U. Yamamoto, PhD, Viviane P. Muniz, MS, Rita C.M. Pavanello, MD, Acary B. Oliveira, MD, PhD, Mayana Zatz, PhD, and Mariz Vainzof, PhD

284 ***SOX10* Mutation with Peripheral Amyelination and Developmental Disturbance of Axons**
Kathleen Parthey, MD, Malte Kornhuber, MD, Christian Kunze, MD, Dorothea Wand, MD, Kay W. Nolte, MD, Stefan Nikolin, MD, Joachim Weis, MD, and J. Michael Schröder, MD

290 **Granulomatous Myositis Associated with Brucellosis: A Case Report and Literature Review**
Suleiman Kojan, MD, FACP, Adel Alothman, MBBS, FRCPC, Ziad Althani, MBBS, Ali Alshehri, MBBS, Nouf Mansour, MBBS, Ali Khathaami, MBBS, FRCPC, Abdulrazzaq Haider, MD, and Mohammed Al-Jumah, MBBS, FRCPC

293 **Chorea-Acanthocytosis Presenting as Motor Neuron Disease**
Dulce Neutel, MD, Gabriel Miltenberger-Miltenyi, MD, Ines Silva, BSc, and Mamede de Carvalho, MD

LETTERS TO THE EDITOR

296 **An Unusual Cause of Thenar Hypertrophy and Carpal Tunnel Syndrome**
Thy Nguyen, MD, Milan Sen, MD, Manickam Kumaravel, MD, Parveen Athar, MD, and Kazim A. Sheikh, MBBS

297 **Pure Monomelic Sensory Neuronopathy Associated with Anti-Yo Antibodies**
Guillaume Taieb, MD, Dimitri Renard, MD, Marie Deverdal, MD, Jerome Honnorat, MD, PhD, Pierre Labauge, MD, PhD, and Giovanni Castelnovo, MD

298 **An Autopsy Case of a Dysferlinopathy Patient with Cardiac Involvement**
Naoki Suzuki, MD, Toshiaki Takahashi, MD, Yasushi Suzuki, MD, Koichi Narikawa, MD, Sonoko Kudo, MD, Hiroyoshi Suzuki, MD, Maki Tateyama, MD, and Masashi Aoki, MD

299 **Ultrasound in the Diagnosis and Treatment of Posterior Interosseous Nerve Entrapment: A Case Report**
Murat Kara, MD, Tülay Tiftik, MD, Alparslan Yetişgin, MD, Gülçin Ural, MD, and Levent Özçakar, MD

301 **How Common is Misdiagnosis in Late-Onset Pompe Disease?**
Lisa D. Hobson-Webb, MD and Priya S. Kishnani, MD

303 **Erratum**

304 **Calendar of Events**

305 **AANEM News and Comments**

MARCH 2012

INVITED REVIEW

311 **Amyotrophic Lateral Sclerosis and Palliative Care: Where We Are, and the Road Ahead**
Leslie J. Blackhall, MD, MTS

AANEM PRACTICE TOPIC

319 **Consensus Treatment Recommendations for Late-Onset Pompe Disease**
Edward J. Cupler, MD, Kenneth I. Berger, MD, Robert T. Leshner, MD, Gil I. Wolfe, MD, Jay J. Han, MD, Richard J. Barohn, MD, John T. Kissel, MD, of the AANEM Consensus Committee on Late-Onset Pompe Disease

RESEARCH ARTICLES

334 **Ultrasonography in Severe Carpal Tunnel Syndrome**
Kristel M. Kasius, MD, Franka Claes, MD, Wim Im Verhagen, MD, PhD, and Jan Meulstee, MD, PhD

338 **Immunodetection Analysis of Muscular Dystrophies in Mexico**
Benjamín Gómez-Díaz, MSc, Haydeé Rosas-Vargas, PhD, Bladimir Roque-Ramírez, BSc, Pedro Meza-Espinoza, MSc, Luis A. Ruano-Calderón, MD, Francisca Fernández-Valverde, BSc, Deyanira Escalante-Bautista, BSc, Rosa E. Escobar-Cedillo, MD, Laura Sánchez-Chapul, PhD, Steven Vargas-Cañas, MD, Luz B. López-Hernández, PhD, Eliganty Bahena-Martínez, MD, Alexandra B. Luna-Angulo, BSc, Patricia Canto, PhD, and Ramón M. Coral-Vázquez, PhD

346 **Needle Electromyography Predicts Outcome After Lumbar Epidural Steroid Injection**
Thiru M. Annaswamy, MD, MA, Samuel M. Bierner, MD, MRM, Whitney Chouteau, DO, and Alan C. Elliott, MBA, MAS

356 **Serum Creatine Kinase After Exercise: Drawing the Line Between Physiological Response and Exertional Rhabdomyolysis**
Kimbra Kenney, MD, Mark E. Landau, MD, Rodney S. Gonzalez, MD, Julie Hundertmark, MD, Karen O'Brien, MD, and William W. Campbell, MD, MSHA

363 **Estimated Cost of Treating Myasthenia Gravis in an Insured U.S. Population**
Jeffery T. Guptill, MD, Bal K. Sharma, PhD, Alex Marano, BS, Alison Soucy, BS, Andrew Krueger, MD, and Donald B. Sanders, MD

367 **Preserving Sarcomere Number After Tenotomy Requires Stretch and Contraction**
Jonathan M. Van Dyke, PhD, James L.W. Bain, BA, and Danny A. Riley, PhD

376 **Can Neck Muscle Spindle Afferents Activate Fusimotor Neurons of the Lower Limb?**
Hiroshi Sasaki, PhD and Barbara I. Polus, PhD

385 **Growth Hormone Treatment Enhances the Functional Recovery of Sciatic Nerves After Transection and Repair**
Pablo Devesa, PhD, Miguel Gelabert, MD, PhD, Tamara Gonźlez-Mosquera, BSc, Rosalía Gallego, MD, PhD, José Luis Relova, MD, PhD, Jesús Devesa, MD, PhD, and Víctor M. Arce, MD, PhD

393 **Can the Efficacy of Electrically Stimulated Pedaling Using a Commercially Available Ergometer be Improved by Minimizing the Muscle Stress–Time Integral?**
Nils A. Hakansson, PhD and Maury L. Hull, PhD

403 **A Possible Link of Oxaliplatin-Induced Neuropathy with Potassium Channel Deficit**
Alexander G. Dimitrov, PhD and Nonna A. Dimitrova, PhD, DSc

412 **Effect of Crush and Axotomy of Phrenic Nerves on Oxidative Stress in Diaphragm Muscle of Rats**
Fuat Sayir, MD, Servet Kavak PhD, İsmail Meral, PhD, Halit Demir, PhD, Nurettin Cengiz, PhD, and Ufuk Çobanoğlu, MD

416 **Postactivation Potentiation and Muscular Endurance Training**
Joni A. Mettler, PhD and Lisa Griffin, PhD

SHORT REPORTS

426 **Significant CMAP Decrement by Repetitive Nerve Stimulation is More Frequent in Median than Ulnar Nerves of Patients with Amyotrophic Lateral Sclerosis**
Satoshi Yamashita, MD, PhD, Hideya Sakaguchi, MD, Akira Mori, MD, PhD, En Kimura, MD, PhD, Yasushi Maeda, MD, PhD, Teruyuki Hirano, MD, PhD, and Makoto Uchino, MD, PhD

428 **Reversible Isolated Sensory Axonal Neuropathy Due to Cobalamin Deficiency**
Chiara Dalla Torre, MD, Marta Lucchetta, MD, Mario Cacciavillani, MD, PhD, Marta Campagnolo, MD, Renzo Manara, MD, and Chiara Briani, MD

431 **Paradoxical Sleep Deprivation Induces Muscle Atrophy**
Murilo Dattilo, MSc, Hanna Karen Moreira Antunes, PhD, Alessandra Medeiros, PhD, Marcos Mônico-Neto, BSc, Helton de Sá Souza, BSc, Kil Sun Lee, PhD, Sergio Tufik, PhD, and Marco Túlio de Mello, PhD

434 **High-Resolution Ultrasonography in the Assessment of Meralgia Paresthetica**
Therimadasamy Aravindakannan, BSc and Einar P. Wilder-Smith, MD

CASES OF THE MONTH

436 **Confirmation of the Efficacy of Vitamin B_6 Supplementation for McArdle Disease by Follow-Up Muscle Biopsy**
Shinya Sato, MD, Takekazu Ohi, MD, PhD, Ichizo Nishino, MD, PhD, and Hideo Sugie, MD, PhD

440 **Relapsed Acute Myelogenous Leukemia of Brachial Plexus After Marrow Transplant**
Jennifer A. Sweet, MD, Robert V. Jones, MD, Alan Siu, MD, Louis DePalma, MD, and Anthony J. Caputy, MD

445 **A Rare Anterior Spinal Epidural Cyst Mimicking Hirayama Disease**
Megan R. Rahmlow, MD, Stephen Pirris, MD, and Devon I. Rubin, MD

LETTERS TO THE EDITOR

449 **Intramuscular Fibrous Tissue Determines Muscle Echo Intensity in Amyotrophic Lateral Sclerosis**
Ilse M.P. Arts, MD, H. Jurgen Schelhaas, MD, PhD, Kiek C.N. Verrijp, Machiel J. Zwarts, MD, PhD, Sebastiaan Overeem, MD, PhD, Jeroen A.W.M. van der Laak, PhD, Martin M.Y. Lammens, MD, PhD, and Sigrid Pillen, MD, PhD

451 **Subacute Inflammatory Demyelinating Polyneuropathy Disclosed by Massive Nerve Root Enhancement in CMT1A**
Anna Mazzeo, MD, Claudia Stancanelli, MD, Massimo Russo, MD, Francesca Granata, MD, Luca Gentile, MD, Rita Di Leo, MD, Giuseppe Vita, MD, Eduardo Nobile-Orazio, MD, and Antonio Toscano, MD

452 **Pretreatment Antibodies Against Acid α-Glycosidase in a Patient with Late-Onset Pompe Disease**
Constantinos Papadopoulos, MD, George K. Papadimas, MD, PhD, Konstantinos Spengos, MD, PhD, and Panagiota Manta, MD, PhD

453 **POLG1 Arg953Cys Mutation: Expanded Phenotype and Recessive Inheritance in a Brazilian Family**
Juliana Gurgel-Giannetti, MD, PhD, Sarah Teixeira Camargos, MD, PhD, Francisco Cardoso, MD, PhD, Michio Hirano, MD, and Salvatore DiMauro, MD

454 **Atypical Clinically Diagnosed Stiff-Person Syndrome Response to Dantrolene—A Refractory Case**
Adam L. Schreiber, DO, MA, John M. Vasudevan, MD, S. Kamal Fetouh, MD, Nethra S. Ankam, MD, Aamir Hussain, MD, and Goran Rakocevic, MD

456 **Erratum**

457 **Calendar of Events**

458 **AANEM News and Comments**

APRIL 2012

EDITORIAL

463 **Some Changes at the Journal**
Lawrence H. Phillips, II, MD

ISSUES AND OPINIONS

464 **Sensory Guillain–Barré Syndrome and Related Disorders: An Attempt at Systematization**
Antonino Uncini, MD and Nobuhiro Yuki, MD, PhD

RESEARCH ARTICLES

471 **Substance Abuse Increases the Risk of Neuropathy in an HIV-Infected Cohort**
Jessica Robinson-Papp, MD, MS, Benjamin B. Gelman, MD, PhD, Igor Grant, MD, Elyse Singer, MD, Gary Gensler, MS, and Susan Morgello, MD, for the National NeuroAIDS Tissue Consortium

477 **Usefulness of Assessing Repeater F-Waves in Routine Studies**
Elisabeth Chroni, MD, PhD, Isabel Serrano Tendero, MD, Anna Rostedt Punga, MD, PhD, and Erik Stålberg, MD, PhD

486 **Application of Futility Analysis to Refine Jitter Recordings in Myasthenia Gravis**
Pushpa Narayanaswami, MD, Norberto Pantoja-Galicia, PhD, Rebecca A. Betensky, PhD, and Seward B. Rutkove, MD

492 **Clarifying Distal Axonal Properties of the Median Nerve**
Dominic Moore, MBBS, Parvathi Menon, MBBS, and Steve Vucic, PhD, FRACP

500 **The Magnetic Resonance Imaging Spectrum of Facioscapulohumeral Muscular Dystrophy**
Seth D. Friedman, PhD, Sandra L. Poliachik, PhD, Gregory T. Carter, MD, Christopher B. Budech, BA, CCRP, Thomas D. Bird, MD, and Dennis W.W. Shaw, MD

507 **Decomposition-Based Quantitative Electromyography in the Evaluation of Muscular Dystrophy Severity**
Kendra L. Derry, MSc, Shannon L. Venance, MD, PhD, and Timothy J. Doherty, MD, PhD

514 **Simulation Studies on the Motor Unit Potentials with Satellite Components in Amyotrophic Lateral Sclerosis and Spinal Muscle Atrophy**
Ewa Zalewska, PhD, Katarzyna Rowinska-Marcinska, MD, PhD, Małgorzata Gawel, MD, PhD, and Irena Hausmanowa-Petrusewicz, MD, PhD

522 **Intramuscular Distribution of the Phrenic Nerve in Human Diaphragm as Shown by Sihler Staining**
Xiaochun An, MD, Bin Yue, MD, PhD, Je-Hun Lee, PhD, Mi-Sun Lee, PhD, Chenghe Lin, MD, PhD, and Seung-Ho Han, MD, PhD

527 **Intermuscular Relationship of Human Muscle Fiber Type Proportions: Slow Leg Muscles Predict Slow Neck Muscles**
Harald Vikne, MSc, Kristian Gundersen, PhD, Knut Liestøl, PhD, Jan Mælen, MD, PhD, and Nina Vøllestad, PhD

536 ***In Vivo* Measurement of Hindlimb Neuromuscular Function in Mice**
Louis S. Stodieck, PhD, Brooke J. Greybeck, MS, Cara M.A. Cannon, MS, Andrea M. Hanson, PhD, Mary H. Young, BA, Steve J. Simske, PhD, and Virginia L. Ferguson, PhD

544 **Muscle Function and Running Activity in Mouse Models of Hereditary Muscle Dystrophy: Impact of Double Knockout for Dystrophin and the Transcription Factor MYoD**
Norman Mangner, MD, Volker Adams, PhD, Marcus Sandri, MD, Robert Hoellriegel, MD, Rainer Hambrecht, MD, Gerhard Schuler, MD, and Stephan Gielen, MD

552 **Time-Course Analysis of Injured Skeletal Muscle Suggests a Critical Involvement of ERK1/2 Signaling in the Acute Inflammatory Response**
Eric R. Szelenyi, BS and Maria I. Urso, PhD

562 **Effects of Extracorporeal Shock-Wave Lithotripsy Directed at the Parotid Gland on Oxidative Stress Parameters and Some Trace Element Levels in Facial Nerve of Rats**
Servet Kavak, PhD, M. Fatih Garca, MD, Ilhan Gecit, MD, İsmail Meral, PhD, Nurettin Cengiz, PhD, and Halit Demir, PhD

567 **Effect of Locomotor Training on Muscle Performance in the Context of Nerve–Muscle Communication Dysfunction**
Wahiba Hadj-Saïd, MSc, Marie Bangratz, PhD, Alban Vignaud, PhD, Arnaud Chatonnet, PhD, Gillian Butler-Browne, PhD, Sophie Nicole, PhD, Onnick Agbulut, PhD, and Arnaud Ferry, PhD

578 **Frontal Plane Hip and Ankle Sensorimotor Function, Not Age, Predicts Unipedal Stance Time**
Lara Allet, PhD, Hogene Kim, MS, James Ashton-Miller, PhD, Trina De Mott, PT, and James K. Richardson, MD

586 **Oxidative Capacity and Fatigability in Run-Trained Malignant Hyperthermia–Susceptible Mice**
Clement Rouviere, BS, Benjamin T. Corona, MS, and Christopher P. Ingalls, PhD

597 **7-Nitroindazole Potentiates *c-fos* Expression Induced by Muscle Tendon Vibration in the Spinal Cord**
Alexander I. Pilyavskii, PhD, Vladimir A. Maisky, PhD, Andrey V. Maznychenko, MSc, and Alexander I. Kostyukov, PhD

SHORT REPORT 603 **Supraorbital Nerve Conduction Study in Normal Subjects**
Aravindakannan Therimadasamy, BSc, Einar P. Wilder-Smith, MD, FAMS, Aymeric Y.T. Lim, FRCS, FAMS, Yan Lin Yap, MRCS, MMed, Matthew Yeo, MRCS, MMed, Shenthilkumar Naidu, MRCS, MMed, and Shu Jin Lee, MD, FAMS

CASE OF THE MONTH 605 **Autosomal Recessive Emery–Dreifuss Muscular Dystrophy Caused by a Novel Mutation (R225Q) in the *Lamin A/C* Gene Identified by Exome Sequencing**
Adriano Jimenez-Escrig, MD, PhD, Isabel Gobernado, MD, Mercedes Garcia-Villanueva, MD, PhD, and Antonio Sanchez-Herranz, BS, PhD

LETTERS TO THE EDITOR 611 **Periodic Acid–Schiff Staining on Resin Muscle Sections: Improvement in the Histological Diagnosis of Late-Onset Pompe Disease**
Chiara Terracciano, MD, Emanuele Rastelli, MD, and Roberto Massa, MD

612 **What Does Body Mass Index Measure in Amyotrophic Lateral Sclerosis and Why Should We Care?**
Sabrina Paganoni, MD, PhD, Jing Deng, MA, Matthew Jaffa, BA, Merit E. Cudkowicz, MD, MSc, and Anne-Marie Wills, MD, MPH

613 **Calendar of Events**

614 **AANEM News and Comments**

MAY 2012

EDITORIAL 621 **The True Utility and Indication for Hand-Held Nerve Conduction Devices**
Aiesha Ahmed, MD and Milind J. Kothari, DO

INVITED REVIEW 623 **Autoimmune Stiff Person Syndrome and Related Myelopathies: Understanding of Electrophysiological and Immunological Processes**
Goran Rakocevic, MD and Mary Kay Floeter, MD, PhD

RESEARCH ARTICLES 635 **Hand-Held Nerve Conduction Device in Carpal Tunnel Syndrome: A Prospective Study**
S. Veronica Tan, MD, Fiona Sandford, MSc, Mark Stevenson, MSc, Sara Probert, Dip, COT, Sue Sanders, BSc, Kerry R. Mills, PhD, and Michaelis Koutroumanidis, MD

642 **Electrical Impedance Myography in Spinal Muscular Atrophy: A Longitudinal Study**
Seward B. Rutkove, MD, Matt C. Gregas, PhD, and Basil T. Darras, MD

648 **Predictors of Response to Immunomodulation in Patients with Myasthenia Gravis**
Hans D. Katzberg, MD, FRCPC, Carolina Barnett, MD, and Vera Bril, MD, FRCP

653 **Agreement Between Clinical Screening Procedures for Neuropathy in the Feet**
Yi Wang, PhD, Jaclyn M. Goodrich, PhD, Robert Werner, MD, Brenda Gillespie, PhD, Niladri Basu, PhD, and Alfred Franzblau, MD

659 **Muscle Magnetic Resonance Imaging Sensitivity Does Not Decrease in Chronic, Mild, or Proximal Lower Limb Neuropathies**
Nicolas Deroide, MD, PhD, Valérie Bousson, MD, PhD, Edouard Daguet, MD, Julien Dumurgier, MD, PhD, Sophie Ng Wing Tin, MD, Didier Hannouche, MD, PhD, Pascal Richette, MD, PhD, Johann Beaudreuil, MD, PhD, Frédéric Lioté, MD, PhD, Bernard Lévy, MD, PhD, Eric Vicaut, MD, PhD, Jean Denis Laredo, MD, and Nathalie Kubis, MD, PhD

668 **Protective Effect of ScFv-DAF Fusion Protein on the Complement Attack to Acetylcholine Receptor: A Possible Option for Treatment of Myasthenia Gravis**
Chen Song, MD, PhD, Zhikai Xu, PhD, Jianting Miao, MD, PhD, Jiang Xu, PhD, Xingan Wu, PhD, Fanglin Zhang, PhD, Hong Lin, MD, PhD, Zhuyi Li, MD, PhD, and Henry J. Kaminski, MD

676 **Epidemiology of Adult Idiopathic Inflammatory Myopathies in a U.S. Managed Care Plan**
Daniel E. Furst, MD, Anthony A. Amato, MD, Şerban R. Iorga, MA, PhD, Kavita Gajria, BS Pharm, MS, and Ancilla W. Fernandes, PhD

684 **Influence of Botulinum Toxin on Rabbit Jaw Muscle Activity and Anatomy**
J.A.M. Korfage, PhD and Jeffrey Wang, S.H.J.T.J. Lie, and Geerling E.J. Langenbach, PhD

692 **The Convergence of Facial Nerve Branches Providing Whisker Pad Motor Supply in Rats: Implications for Facial Reanimation Study**
Doug Henstrom, MD, Tessa Hadlock, MD, Robin Lindsay, MD, Christopher J. Knox, BS, Juan Malo, MD, Kalpesh T. Vakharia, MD, and James T. Heaton, PhD

698 **Myostatin Deficiency is Associated with an Increase in Number of Total Axons and Motor Axons Innervating Mouse Tibialis Anterior Muscle**
Stephanie Gay, MSc, Elodie Jublanc, MSc, Anne Bonnieu, PhD, and Francis Bacou, DSc

705 **Experimental Muscle Injury: Correlation Between Ultrasound and Histological Findings**
Fernando Jiménez-Díaz, MD, PhD, Ignacio Jimena, MD, PhD, Evelio Luque, MD, PhD, Susana Mendizábal, PhD, Antonio Bouffard, MD, Luis Jiménez-Reina, MD, PhD, and José Peña, MD, PhD

713 **Myosin Heavy Chain Isoform Expression in Human Extraocular Muscles: Longitudinal Variation and Patterns of Expression in Global and Orbital Layers**
Kyung-Ah Park, MD, Jeonghee Lim, MS, Seongsoo Sohn, MS, and Sei Yeul Oh, MD

721 **Ultrasonographic Assessment of Longitudinal Median Nerve and Hand Flexor Tendon Dynamics in Carpal Tunnel Syndrome**
Jan-Wiebe H. Korstanje, MSc, Marjan Scheltens-De Boer, MD, Joleen H. Blok, PhD, Peter C. Amadio, MD, Steven E.R. Hovius, PhD, Henk J. Stam, PhD, and Ruud W. Selles, PhD

730 **Intra- and Internerve Cross-Sectional Area Variability: New Ultrasound Measures**
Luca Padua, MD, PhD, Carlo Martinoli, MD, Costanza Pazzaglia, MD, PhD, Marta Lucchetta, MD, Giuseppe Granata, MD, Carmen Erra, MD, and Chiara Briani, MD

734 **Zoster-Associated Mononeuropathies (ZAMs): A Retrospective Series**
Haatem Reda, MD, James C. Watson, MD, and Lyell K. JonesJr., MD

SHORT REPORTS

740 **Novel *ANO5* Mutations Causing Hyper-CK-emia, Limb Girdle Muscular Weakness and Miyoshi Type of Muscular Dystrophy**
Joachim Schessl, MD, Wolfram Kress, MD, and Benedikt Schoser, MD

742 **Sample Size Considerations in Human Muscle Architecture Studies**
Lori J. Tuttle, PT, PhD, Samuel R. Ward, PT, PhD, and Richard L. Lieber, PhD

ISSUES AND OPINIONS

746 **Exercise and Duchenne Muscular Dystrophy: Where We Have Been and Where We Need to Go**
Chad D. Markert, PhD, Laura E. Case, DPT, PCS, Gregory T. Carter, MD, MS, Patricia A. Furlong, RN, BSN, MS, and Robert W. Grange, PhD

CASES OF THE MONTH

752 **Milder Phenotype of Congenital Muscular Dystrophy in a Novel *POMT1* Mutation**
Samiah A. Al-Zaidy, MD, Berivan Baskin, PhD, Cynthia Hawkins, MD, Grace Yoon, MD, Peter N. Ray, PhD, and Jiri Vajsar, MD

755 **Expanding the Spectrum of Monoclonal Light Chain Deposition Disease in Muscle**
Lyle W. Ostrow, MD, PhD, Andrea M. Corse, MD, Brett M. Morrison, MD, PhD, Carol A. Huff, MD, John A. Carrino, MD, MPH, Ahmet Hoke, MD, PhD, and Andrew L. Mammen, MD, PhD

LETTERS TO THE EDITOR

762 **Chronic Inflammatory Demyelinating Polyneuropathy Associated with Alopecia Totalis and Sjögren Syndrome**
Lara Sanvito, MD, PhD, Siew L. Wong, MBChB, and Yusuf A. Rajabally, MD, FRCP

763 **Successful Steroid Treatment for Recurrent Miller Fisher Syndrome**
Shuta Toru, MD, Maya Ohara, MD, Yumiko Hane, MD, Taro Ishiguro, MD, and Takayoshi Kobayashi, MD

764 **An Unusual Case of Miller Fisher Syndrome Presenting with Proptosis and Chemosis**
Maggie W. Waung, MD, PhD and Mike A. Singer, MD, PhD

766 **Goya and a Possible First Visual Representation of Charcot-Marie-Tooth Disease**
Jose Maria Perez-Trullen, PhD, Alvaro Gimenez-Muñoz, MD, Jose Carlos Roche, MD, Isabel Campello, PhD, Maria Jose Garcia Gomara, MD, and Sara Sanchez Valiente, PhD

767 **MRC Sum-Score in the ICU: Good Reliability Does Not Necessarily Reflect "True Reliability"**
Els Karla Vanhoutte, MD, Catharina Gerritdina Faber, MD, PhD, and Ingemar Sergio José Merkies, MD, PhD

768 **Reply**
Greet Hermans, MD, PhD, Rik Gosselink, PT, PhD, and Greet Van Den Berghe, MD, PhD

770 **Calendar of Events**

771 **AANEM News and Comments**

JUNE 2012

EDITORIAL

777 **Corticosteroids and Duchenne Muscular Dystrophy: Does Earlier Treatment Really Matter?**
Craig M. McDonald, MD, Jay J. Han, MD, Jean K. Mah, MD, MSc, and Gregory T. Carter, MD, MS

INVITED REVIEW

780 **The Thoracic Outlet Syndromes**
Mark A. Ferrante, MD

RESEARCH ARTICLES

796 **Early Corticosteroid Treatment in 4 Duchenne Muscular Dystrophy Patients: 14-Year Follow-Up**
Luciano Merlini, MD, Monia Gennari, MD, Elisabetta Malaspina, MD, Ilaria Cecconi, MD, Annarita Armaroli, MD, Saverio Gnudi, MD, Beril Talim, MD, Alessandra Ferlini, MD, Alessandro Cicognani, MD, and Emilio Franzoni, MD

803 **A New Model of Experimental Fibrosis in Hindlimb Skeletal Muscle of Adult *mdx* Mouse Mimicking Muscular Dystrophy**
Isabelle Desguerre, MD, PhD, Ludovic Arnold, PhD, Alban Vignaud, PhD, Sylvain Cuvellier, MSc, Houda Yacoub-Youssef, PhD, Romain K. Gherardi, MD, PhD, Jamel Chelly, MD, PhD, Fabrice Chretien, MD, PhD, Rémi Mounier, PhD, Arnaud Ferry, PhD, and Bénédicte Chazaud, PhD

815 **Geographical Distribution of a Seropositive Myasthenia Gravis Population**
Anne Taraldsen Heldal, MD, Geir Egil Eide, PhD, Nils Erik Gilhus, MD, PhD, and Fredrik Romi, MD, PhD

820 **Psychometric Evaluation of the Myasthenia Gravis Composite Using Rasch Analysis**
Reza Sadjadi, MD, Mark Conaway, PhD, Gary Cutter, PhD, Donald B. Sanders, MD, Ted M. Burns, MD, and the MG Composite MG-QOL15 Study Group

826 **Glial S100B is Elevated in Serum Across the Spectrum of West Nile Virus Infection**
A. Arturo Leis, MD, Dobrivoje S. Stokic, MD, DSc, and Axel Petzold, MD, PhD

831 **New Motor Outcome Function Measures in Evaluation of Late-Onset Pompe Disease Before and After Enzyme Replacement Therapy**
Corrado Angelini, MD, Claudio Semplicini, MD, Sabrina Ravaglia, MD, Maurizio Moggio, MD, Giacomo P. Comi, MD, Olimpia Musumeci, MD, Elena Pegoraro, MD, Paola Tonin, MD, Massimiliano Filosto, MD, Serenella Servidei, MD, Lucia Morandi, MD, Grazia Crescimanno, MD, Giovanni Marrosu, MD, Gabriele Siciliano, MD, Tiziana Mongini, MD, ANTONIO Toscano, MD, and the Italian Group on GSDII

835 **Prediction of Time-To-Exhaustion in the First Dorsal Interosseous Muscle from Early Changes in Surface Electromyography Parameters**
Killian Bouillard, MSc, Julien Frère, PhD, François Hug, PhD, and Arnaud Guével, PhD

841 **Effect of Stimulation Intensity on Assessment of Voluntary Activation**
Daniël M. Van Leeuwen, MSc, Cornelis J. De Ruiter, PhD, and Arnold De Haan, PhD

849 **Using Submaximal Contractions to Predict the Maximum Force-Generating Ability of Muscles**
Sarah Flynn, BS, Brian A. Knarr, MS, Ramu Perumal, PhD, Trisha M. Kesar, PhD, and Stuart A. Binder-MacLeod, PhD

859 **Unexpected Neuroimaging Abnormalities in Patients with Apparent C8 Radiculopathy: Broadening the Clinical Spectrum**
Michael K. Hehir, MD, Juan J. Figueroa, MD, Andrea M. Zynda-Weiss, MD, Michael Stanton, MD, and Eric L. Logigian, MD

866 **Clinical and Laboratory Features of Neuropathies with Serum IgM Binding to TS-HDS**
Alan Pestronk, MD, Robert E. Schmidt, MD, PhD, Rati M. Choksi, MS, R. Brian Sommerville, MD, and Muhammad T. Al-Lozi, MD

873 **Surface Electromyography Features in Manual Workers Affected by Carpal Tunnel Syndrome**
Roberta Bonfiglioli, MD, Alberto Botter, PhD, Monica Calabrese, MD, Patrizia Mussoni, MS, Francesco S. Violante, MD, and Roberto Merletti, PhD

883 **Neuropathic Pain in Post-Burn Hypertrophic Scars: A Psychophysical and Neurophysiological Study**
Gianluca Isoardo, MD, Maurizio Stella, MD, Dario Cocito, MD, Daniela Risso, MD, Giuseppe Migliaretti, PhD, Franco Cauda, PhD, Angela Palmitessa, PhD, Giuliano Faccani, MD, and Palma Ciaramitaro, MD

SHORT REPORTS

891 **The Electrodiagnostic Sensitivity of Proximal Lower Extremity Muscles in the Diagnosis of L5 Radiculopathy**
Ahmet Z. Burakgazi, MD, John J. Kelly, MD, and Perry Richardson, MD

893 **Prognosis of Acute Compressive Radial Neuropathy**
W. David Arnold, MD, Vivek R. Krishna, MD, Miriam Freimer, MD, John T. Kissel, MD, and Bakri Elsheikh, MBBS

895 **Does the Presence of the Palmaris Longus Tendon Influence Median Nerve Function?**
Robert A. Werner, MD, MS and Teresa Spiegelberg, BS

CASES OF THE MONTH

897 **Myotonia Associated with Caveolin-3 Mutation**
Margherita Milone, MD, PhD, Kathleen M. Mcevoy, MD, PhD, Eric J. Sorenson, MD, and Jasper R. Daube, MD

900 **Subacute Brachial Diplegia Associated with West Nile Virus Myelitis**
Sahar F. Zafar, MD and Eroboghene E. Ubogu, MD

904 **Myopathy in Autoimmune Polyendocrinopathy- Candidiasis-Ectodermal Dystrophy**
Mitsuru Watanabe, MD, Hirofumi Ochi, MD, PhD, Hajime Arahata, MD, Tomohito Matsuo, MA, Seiho Nagafuchi, MD, PhD, Yasumasa Ohyagi, MD, PhD, and Jun-Ichi Kira, MD, PhD

ISSUES AND OPINIONS

909 **Recommendations for Myasthenia Gravis Clinical Trials**
Michael Benatar, MBChB, Donald B. Sanders, MD, Ted M. Burns, MD, Gary R. Cutter, PhD, Jeffrey T. Guptill, MD, Fulvio Baggi, PhD, Henry J. Kaminski, MD, Renato Mantegazza, MD, Matthew N. Meriggioli, MD, Joanne Quan, MD, Gil I. Wolfe, MD, and The Task Force on MG Study Design of The Medical Scientific Advisory Board of The Myasthenia Gravis Foundation of America

LETTERS TO THE EDITOR

918 **Amyloid Polyneuropathy Following Domino Liver Transplantation**
Luca Pradotto, MD, Alessandro Franchello, MD, Alessandra Milesi, Renato Romagnoli, MD, Matteo Bigoni, MD, Luisella Vigna, MSc, Alessia Di Sapio, MD, Mauro Salizzoni, MD, and Alessandro Mauro, MD

919 **The p.Arg416Cys Mutation in *SPG3A* Gene Associated with a Pure Form of Spastic Paraplegia**
Angela Magariello, PhD, Carla Tortorella, MD, Luigi Citrigno, PhD, Alessandra Patitucci, PhD, Rosanna Tortelli, MD, Rosalucia Mazzei, PhD, Francesca Luisa Conforti, PhD, Carmine Ungaro, PhD, William Sproviero, PhD, Antonio Gambardella, MD, and Maria Muglia, PhD

920 **Sonographic Features in Hereditary Neuropathy with Liability to Pressure Palsies**
Marta Lucchetta, MD, Chiara Dalla Torre, MD, Giuseppe Granata, MD, Chiara Briani, MD, and Luca Padua, MD, PhD

921 **Reply**
Davyd R. Hooper, MD and Steven K. Baker, MSc, MD

922 **High-Resolution Ultrasonography in the Assessment of Meralgia Paresthetica: Some Clarifications are Needed**
Alberto Tagliafico, MD, Luca Padua, MD, PhD, and Carlo Martinoli, MD

922 **REPLY**
Therimadasamy Aravindakannan, BSc and Einar P. Wilder-Smith, MD
923 **Abstracts**
925 **Calendar of Events**
926 **AANEM News and Comments**
V **Volume 45 Contents**
xvii **Volume 45 Subject Index**
xxi **Volume 45 Author Index**

MUSCLE & NERVE

Official Journal of the American Association of Neuromuscular & Electrodiagnostic Medicine

SUBJECT INDEX

This index gives the first page of the article in which the indexed subject occurs.

A

Abductor policis brevis muscle, 873
Acanthocytosis, 293
Accurate Test of Limb Isometric Strength (ATLIS), 81
Acetylcholine receptor, 668
Acetylcholine receptor γ, 209
Acetylcholinesterase deficiency, 567
Acid α-glycosidase (GAA), 452
Acute compressive radial neuropathy, 893
Acute inflammatory response, 552
Acute myelogenous leukemia, 440
Acute sensory demyelinating polyneuropathy, 464
Acute sensory large-fiber axonopathy–ganglionopathy, 464
Acute sensory small-fiber neuropathy–ganglionopathy, 464
β-Adrenergic receptors, 128
Adson maneuver, 780
Age, 578
Aging, 60
AIRE gene, 904
Alopecia totalis, 762
Amyloid neuropathy, 6, 26
Amyloid polyneuropathy, 918
Amyotrophic lateral sclerosis, 81, 131, 157, 169, 175, 200, 311, 426, 449, 514, 612
Angiogenic factors, 242
Animal models, 65, 128, 231, 242, 250, 266, 274, 367, 385, 412, 536, 544, 562, 567, 586, 684, 692, 698, 705, 803
Ankle, 578
ANO5 gene, 740
Anti-signal recognition particle (SRP) autoantibodies, 189
Anti-Yo antibodies, 297
Antibodies, 189, 297, 452, 623
Antibody fragment–decay accelerating factor, 668
Arm hyperabduction, 780
"Arrow sign," 924
Art, 766
Atrogin-1, 55
Autoantibodies, 668
Autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED), 904
Autoimmune regulator (AIRE) gene, 904
Autoimmunity, 623
Autologous transplantation, 32
Autonomic neuropathy, 5
Autopsy cases, 298
Avulsion injury, 39
Awaji algorithm, 175
Axon excitability, 43, 492
Axons, 698
Axotomy, 412

B

B-cell lymphoma, 138
Balance, 578
Becker myotonia, 279
β-adrenergic receptors, 128
Bladder dysfunction, 2
Blood cell velocity, 242
Body mass index, 612
Bone marrow transplantation, 440
Botulinum toxin (BTX), 217, 684
Brachial diplegia, 900
Brachial plexus, 39, 440, 859
Brazil, 453
Brucellosis, 290
Bulbar muscular atrophy, 169
Burn, 883

C

c-fos, 597
C8 radiculopathy, 859
Cadaver examination, 925
Cajal bands, 231
Candidiasis, 904
Capillary vessels, 242
Cardiac involvement, 298
Carpal tunnel syndrome, 183, 296, 334, 621, 635, 721, 873
Case reports, 290, 299, 764, 897
CAV3 gene, 897
Caveolin-3 gene *(CAV3)*, 897
Cell transplantation, 32
Central dysmyelinating leukodystrophy, 284
Cerebrospinal fluid, 924
Cervical nerve root hypertrophy, 924
Cervical plexus, 925
Cervical radiculopathy, 859
Cervical rib syndrome, 780
Charcot-Marie-Tooth disease, 766
Charcot-Marie-Tooth disease type 1A, 450, 924
Chemosis, 764
Cholinesterase inhibitors, 912
Chorea-acanthocytosis, 293, 456
Chronic inflammatory demyelinating polyneuropathy, 6, 26, 762, 924
Chronic nerve compression, 231
Chronic regional pain syndrome, 924
Claw toe syndrome, 217
CLCN1 gene, 279
Clinical trials, 909
Cobalamin deficiency, 428
Commercial ergometers, 393
Complement, 668
Compound muscle action potential (CMAP), 426
Compression neuropathy, 924
Compressive radial neuropathy, 893
Congenital muscular dystrophy, 752
Congenital myotonia, 279
Coping strategies, 131
Corticosteroids, 777, 796
Costoclavicular syndrome, 780
Creatine kinase, 356, 740
Cross-sectional area (CSA), 183, 334, 730, 924, 925
Crush injury, 412
Cysts, 445

D

Dantrolene, 454
Decay accelerating factor, 668
Deletions, 135
Dementia, 157
Demyelination, 231
Developmental disturbance of axons, 284
Diabetes mellitus, 189
Diabetic neuropathy, 3, 578
Diabetic sensorimotor polyneuropathy, 126
Diaphragm muscle, 274, 412, 522
Diffuse large B-cell lymphoma (DLBCL), 138
Digital nerves, 222, 227
7,8-Dihydroxyflavone (7,8-DHF), 274
Distal neuropathy, 653
Distal symmetric polyneuropathy, 471
DMPK (myotonic dystrophy protein kinase), 128
Domino liver transplantation, 918
Dorsal interosseous muscle, 835
Dorsal root ganglion (DRG), 65
Dorsiflexor muscle, 92
Drug-induced neuropathy, 144, 403
Duchenne muscular dystrophy, 250, 746, 777, 796
Dysarthria, 293
Dysferlinopathy, 298
Dystrophin, 544

E

Echo intensity, 449
Ectodermal dystrophy, 904
El Escorial Criteria, 175
Elbow, 925
Electrical impedance myography, 642
Electrical stimulation, 393, 841
Electrodiagnosis, 477
Electrodiagnostic sensitivity, 891
Electrodiagnostic testing, 653, 891
Electromyography, 9, 92, 100, 257, 276, 346, 486, 507, 659, 835, 873, 891
Electrophysiology, 65, 183, 477, 623
Emery-Dreifuss muscular dystrophy, 605
Endurance training, 416, 586
Enzyme replacement therapy, 319, 831
Epidemiology, 676
Epidural cyst, 445
Epidural steroid injections, 346
Ergometry, 393
Exercise, 149, 356, 544, 746
Exercise-induced muscle injury, 586
Exertional rhabdomyolysis, 356
Exome sequencing, 605
Extensor digitorum longus muscle, 250
Extracellular signal-regulated kinases 1 and 2 (ERK1/2), 552
Extracorporeal shock wave lithotripsy, 562
Extraocular muscles, 713

F

F-waves, 477
Facial nerve, 562, 692
Facioscapulohumeral muscular dystrophy, 500
Familial amyloid polyneuropathy (FAP), 918
Fascicles, 92
Fasciculation potentials, 175
Fatigue, 100, 586, 873
Feet, 653
Femoral nerve, 195, 426
Fibrosis, 803
Finger extension, 39
Finland, 70
First dorsal interosseous muscle, 835
First thoracic rib syndrome, 780
Flail arm syndrome, 900
Flecainide, 144
Flexor hallucis brevis muscle, 217
Flexor hallucis longus muscle, 217
Forearm, 925
Fos, 597
Free light chain (FLC) assay, 755
Frontalis muscle, 276
Frontotemporal dementia, 157
Functional electrical stimulation (FES), 393
Functional tests, 831
Fusimotor neurons, 376
Fusion proteins, 668
Futility analysis, 486

G

Gait impairment, 293
Gamma-aminobutyric acid (GABA), 623
Gastrocnemius muscle, 116
Gender differences, 250
Geographical differences, 815
Glutamic acid decarboxylase (GAD), 623
Gluteus medius muscle, 891
Goya y Lucientes, Francisco José de, 766
Granulomatous myositis, 290
Growth hormone, 385
GSGC (Gait, Stairs, Gower, Chair) score, 831
Guillain-Barré syndrome, 5, 464

H

H-reflex, 116
Hallux claw toe syndrome, 217
Hand, 222
Hand flexor tendon, 721
Hand-held nerve conduction devices, 621, 635
Handgrip strength, 18
Health care costs, 363
Health insurance, 363, 676
Hematoma, 9
Hemodynamics, 242
Heparin disaccharide (HDS), 866
Hereditary muscle dystrophy, 544
Hereditary neuropathy with liability to pressure palsies (HNPP), 135, 920, 921
Hereditary peripheral neuropathies, 7
Herpes zoster, 734
High-frequency sonography, 222
High-resolution imaging, 222, 434, 922
High-resolution ultrasonography, 434, 922, 925
Hindlimb exertion force test (HEFT), 536
Hindlimb muscles, 536, 803
Hindlimb unloading, 65
Hip, 578
Hirayama disease, 445
Hirschsprung disease, 284
HIV-associated neuropathy, 6
Human immunodeficiency virus (HIV) infection, 471
Hyper-CK-emia, 740
Hypertension, 189
Hyperthermia, malignant, 586
Hypertrophic scars, 883

I

Idiopathic inflammatory myopathy (IIM), 189, 676
Immune-mediated neuropathy, 924
Immune-related neuropathy, 730
Immunodetection analysis, 338
Immunoglobulin, 648
Immunoglobulin M, 866
Immunology, 623
Immunomodulation, 648, 912
Inclusion body myositis, 163
Infection, 826
Inflammatory myopathy, 189, 676
Inflammatory response, 552
Insulin-like growth factor-1, 200
Intensive care unit (ICU), 18, 767, 768
Interleukin-17, 147
Interosseous nerve entrapment, 299, 925
Interpolated twitch technique, 841
Interventional ultrasound, 924
Intramuscular fibrous tissue, 449
Intramuscular transplantation, 32
Intravenous immunoglobulin, 648

J

Jaw muscle, 684
Jitter recordings, 276, 486

K

KCNE channels, 48
Knee, 163, 841
Kurtosis, 873
Kv7.5 (KCNQ5)/KCNE channels, 48

L

L5 radiculopathy, 891
Lamin A/C gene (*LMNA*), 605
Leg muscles, 527
Leukodystrophy, 284
Light chain deposition disease (LCDD), 755
Limb girdle muscular weakness, 740
Literature reviews, 290, 742
Liver transplantation, 918
LMNA gene, 605
Locomotor training, 567
Lower limb neuropathy, 659
Lumbar epidural steroid injections, 346
Lumbar plexopathy, 195
Lumbar radiculopathy, 891

M

Magnetic resonance imaging, 13, 450, 500, 659, 755, 859
Magnetization transfer, 13
Malignant hyperthermia, 586
Managed care, 676
Manual workers, 873
Masseter muscle, 684
Maximum force-generating ability (MFGA), 849
McArdle disease, 436
mdx, 250, 803
Medial femoral cutaneous nerve, 195
Median nerve, 60, 334, 426, 492, 721, 895
Medical Research Council (MRC) sum-score, 18, 767, 768
Mediracer, 621, 635
Meralgia paresthetica, 434, 922
Methylprednisolone, 762
Mexico, 338
Military brace position, 780
Miller Fisher syndrome (MFS), 138, 762, 764
Mitogen-activated protein kinase, 266
Miyoshi muscular dystrophy, 740
Monofilament testing, 653
Monomelic sensory neuropathy, 297
Mononeuropathy, 734
Motor axons, 43, 698
Motor neuron disease, 293, 456
Motor units, 100, 514
Multidisciplinary teams, 311, 319
Multiplex ligation-dependent probe amplification (MLPA), 135
Muscle & Nerve, 1, 463
Muscle architecture studies, 742
Muscle atrophy, 55, 431, 536, 642
Muscle contractility, 55
Muscle contraction, 92, 110, 257, 367, 416, 849
Muscle dystrophy, 544
Muscle fatigue, 873
Muscle fiber conduction velocity (MFCV) measurement, 257
Muscle fiber length, 367
Muscle fiber type proportions, 527
Muscle fibers, 86, 883

Muscle fibrosis, 55, 803
Muscle injury, 552, 586, 705
Muscle size, 698
Muscle strength, 163, 578
Muscle strength measurement, 18, 81, 767, 768
Muscle twitch force potentiation, 416
Muscle weakness, 900
Muscular atrophy, 169
Muscular dystrophy, 338, 500, 507, 605, 740, 752, 777, 796, 803
Musculoskeletal pain, 70
Mutations, 279, 284, 293, 453, 605, 740, 752, 897, 904, 919
Myasthenia gravis, 147, 209, 363, 486, 648, 668, 815, 909
Myasthenia Gravis Composite (MGC), 820, 915
Myelin, 231
Myelitis, 900
Myelopathy, 623
MyoD, 544
Myogenic cell transplantation, 32
Myopathy, 189, 904
Myosin heavy chain (MyHC), 713
Myositis, 290
Myositis-associated antibodies, 189
Myostatin deficiency, 698
Myotonia, 279, 897
Myotonic dystrophy protein kinase (DMPK), 128
Myotonic dystrophy type 1, 128
Myotonic dystrophy type 2, 70

N

NC-stat system, 621
Near-infrared spectroscopy (NIRS), 75
Neck muscles, 376, 527
Necrotizing myopathy (NM), 189
Needle electromyography, 9, 346, 924
Needle jitter, 276, 486
Nerve compression, 231, 859
Nerve conduction studies, 60, 169, 195, 492, 603, 621, 635, 653
Nerve injury, 567
Nerve-muscle communication dysfunction, 567
Nerve regeneration, 385, 692, 705
Neuroimaging, 859
NeuroMetrix, 621
Neuromuscular electrical stimulation, 110
Neuromuscular transmission, 274
Neuronal nitric oxide synthase, 597
Neuropathic pain, 883
Neuropathy, 866
Nitric oxide, 597
Nitric oxide synthase, 597
7-Nitroindazole, 597
Non–length-dependent small-fiber sensory neuropathy (NLD-SFSN), 86
Nonsense mutations, 279
Norway, 815

O

Ocular myasthenia gravis, 209
Oxaliplatin, 403
Oxidative capacity, 586
Oxidative stress, 32, 412, 562
Oxyneurography (ONG), 75
Oxyneurography (ONG) index, 75

P

p38γ, 266
p62, 157
Pain, 70, 883, 924
Pain management, 311
Palliative care, 311
Palmaris longus tendon, 895
Paradoxical sleep deprivation, 431
Parents, 746
Parkinson disease, 43
Parotid gland, 562
Pedaling, 393
Periodic acid-Schiff staining, 611
Peripheral amyelination, 284
Peripheral demyelinating neuropathy, central dysmyelinating leukodystrophy, Waardenburg syndrome, and Hirschsprung disease (PCWH), 284
Peripheral nerve injury, 567
Peripheral nerves, 13
Peripheral neuropathy, 2, 659
Phenotype, 279, 453, 527, 544, 752
Phrenic nerve, 412, 522
Phrenic nerve transfer, 39
Plantarflexor muscle, 92, 242
Plasma exchange, 648
Plasmapheresis, 648
PMP22 gene, 135
POLG1 gene, 453
Polyendocrinopathy, 904
Polymerase γ, 453
Pompe disease, 301, 319, 452, 611, 831
POMT1 gene, 752
Post-burn pathologic scars (PPS), 883
Post-herpetic neuralgia, 734
Postal surveys, 70
Potassium channels, 48, 403
Predonisolone, 762
Proptosis, 764
Protein O-mannosyl-transferase 1 gene *(POMT1)*, 752
Pudendal nerve, 925

Q

Quadriceps femoris muscle, 110
Quadriceps muscle, 841
Quality of life, 131
Quantitative electromyography, 507

R

Radial neuropathy, 893
Radiculopathy, 859, 891
Rasch analysis, 820
Red blood cells, 242
Repetitive nerve stimulation, 426
Resin muscle sections, 611
Rhabdomyolysis, 356
Rippling, 303
Rippling muscle disease, 303
Running, 544

S

Sample size, 742
Sarcomeres, 367
S100B, 826
Scalenus anticus syndrome, 780
Scars, 883
Schwann cells, 231
Sciatic nerve, 385
Sciatic nerve block, 924
Scleraxis, 55
Sensory afferent nerves, 925
Sensory nerve action potential (SNAP), 169, 603
Sensory nerve conduction, 195
Sensory nerves, 60
Sensory neuropathy, 86, 297, 428, 464
Shah-Waardenburg syndrome, 284
Sihler staining, 522
Simulation studies, 514
Single-chain antibody fragment–decay accelerating factor (scFv-DAF), 668
Single-fiber electromyography (SFEMG), 276, 486
6-Minute Walk Test (6MWT), 831
Sjögren syndrome, 762
Skeletal muscle, 55, 149, 200, 266, 544, 552, 567, 803
Skeletal muscle injury, 552, 705
Skin biopsy, 144
Sleep deprivation, 431
Small-fiber damage, 883
Small-fiber sensory neuropathy (SFSN), 86
Sodium ascorbate, 32
Soleus muscle, 367
SOX10 gene, 284
Spastic paraplegia, 919
SPG3A gene, 919
Spinal and bulbar muscular atrophy (SBMA), 169
Spinal cord, 597
Spinal cord injury, 393
Spinal epidural cyst, 445
Spinal muscular atrophy, 514, 642
Sporadic inclusion body myositis, 163
Standing, 116
Statins, 149
Steroids, 346, 762, 777, 796, 912
Stiff-person syndrome, 454, 623
Stress, oxidative, 32, 412, 562
Stress response, 149
Stretch therapy, 367
Subacute combined degeneration, 428
Subacute inflammatory demyelinating polyneuropathy, 450
Subcoracoid-pectoralis minor syndrome, 780
Substance abuse, 471
Supinator muscle, 925
Supraorbital nerve conduction study, 603
Sural nerve, 653
Sural/radial amplitude ratio (SRAR), 126
Surface electromyography, 257, 835, 873
Surgery, 183
Suture artifacts, 227
Systemic lupus erythematosus, 189

T

Tenotomy, 367
Tensor fascia lata muscle, 891
Thenar hypertrophy, 296
Thomsen myotonia, 279
Thoracic outlet, 924
Thoracic outlet syndromes, 780
3D capillary architecture, 242
Tibialis anterior muscle, 698
Time-to-exhaustion (T*lim*) prediction, 835
Tissue oxygenation index, 75

Tonic neck reflex, 376
Torque, 841
Trace elements, 562
Transcription factors, 544
Transforming growth factor-β, 55
Transplantation, 32, 440, 918
Triceps surae muscle, 376
Trisulfated disaccharide IdoA2S-GlcNS-6S (TS-HDS), 866
Tropomyosin-related kinase receptor subtype B (TrkB), 274
Twitch potentiation, 110

U

Ubiquilin 2 (UBQLN2), 157
UBQLN2 gene, 157
Ulnar nerve, 60, 75, 925
Ultrasound, 183, 222, 227, 299, 334, 434, 449, 705, 721, 730, 920, 921, 922, 924, 925
Ultrasound follow-up, 924
Ultrasound-guided examination, 924, 925
Unipedal stance time, 578
Upper extremity ultrasonography, 925

V

Varicella zoster virus, 734
Vastus lateralis muscle, 100
Vastus medialis muscle, 100
Vibration, 376
Visual representation, 766
Vitamin B_6, 436
Vitamin B_{12}, 428
Volar digital nerves, 222
Voluntary activation, 841
Voluntary contraction, 110, 257, 416

W

Waardenburg syndrome type 4, 284
Walking, 116
Walton and Gardner-Medwin (WGM) score, 831
West Nile virus infection, 826, 900
West Nile virus myelitis, 900
Wrist, 895
Wrist extension, 39

Z

Zoster-associated mononeuropathy (ZAM), 734

MUSCLE & NERVE

Official Journal of the American Association of Neuromuscular & Electrodiagnostic Medicine

AUTHOR INDEX

This index lists, in alphabetical order, the names of authors of all articles and book reviews. Full citation is provided under the first author only, with cross reference to this author made from entries to other authors. Book reviews are distinguished from articles by the letter B after the page number.

A

AANEM Consensus Committee on Late-Onset Pompe Disease, see Cupler EJ
Adams V, see Mangner N
Agbulut O, see Hadj-Saïd W
Ahmed A, Kothari MJ: The true utility and indication for hand-held nerve conduction devices, 621
Albertí MA, see Casasnovas C
Albertini L, see Montel S
Alfano L, see Lowes LP
Al-Jumah M, see Kojan S
Allet L, Kim H, Ashton-Miller J, De Mott T, Richardson JK: Frontal plane hip and ankle sensorimotor function, not age, predicts unipedal stance time, 578
Allman W, see Wu X
Al-Lozi MT, see Pestronk A
Alothman A, see Kojan S
Alshehri A, see Kojan S
Alsowaity B, see Burakgazi AZ
Althani Z, see Kojan S
Álvarez López MJ, see Llagostera E
Al-Zaidy SA, Baskin B, Hawkins C, Yoon G, Ray PN, Vajsar J: Milder phenotype of congenital muscular dystrophy in a novel POMT1 mutation, 752
Amadio PC, see Korstanje JHW
Amato AA, see Furst DE
Andres PL, Skerry LM, Munsat TL, Thornell BJ, Szymonifka J, Schoenfeld DA, Cudkowicz ME: Validation of a new strength measurement device for amyotrophic lateral sclerosis clinical trials, 81
Angelini C, Semplicini C, Ravaglia S, Moggio M, Comi GP, Musumeci O, Pegoraro E, Tonin P, Filosto M, Servidei S, Morandi L, Crescimanno G, Marrosu G, Siciliano G, Mongini T, Toscano A, the Italian Group on GSDII: New motor outcome function measures in evaluation of late-onset Pompe disease before and after enzyme replacement therapy, 831
Ankam NS, see Schreiber AL
Annaswamy TM, Bierner SM, Chouteau W, Elliott AC: Needle electromyography predicts outcome after lumbar epidural steroid injection, 346
An X, see Lee JH
An X, Yue B, Lee JH, Lee MS, Lin C, Han SH: Intramuscular distribution of the phrenic nerve in human diaphragm as shown by Sihler staining, 522
Aoki M, see Suzuki N
Arahata H, see Watanabe M
Aravindakannan T, Wilder-Smith EP: High-resolution ultrasonography in the assessment of meralgia paresthetica, 434
Aravindakannan T, Wilder-Smith EP: High-resolution ultrasonography in the assessment of meralgia paresthetica: Some clarifications are needed, 922 (Reply)
Arce VM, see Devesa P
Armaroli A, see Merlini L
Arnold L, see Desguerre I
Arnold WD, Krishna VR, Freimer M, Kissel JT, Elsheikh B: Prognosis of acute compressive radial neuropathy, 893
Arts IMP, Schelhaas HJ, Verrijp KCN, Zwarts MJ, Overeem S, van der Laak JAWM, Lammens MMY, Pillen S: Intramuscular fibrous tissue determines muscle echo intensity in amyotrophic lateral sclerosis, 449
Ashton-Miller J, see Allet L
Athar P, see Nguyen T
Atsuta N, see Hama T

B

Bacou F, see Gay S
Baggi F, see Benatar M
Bahena-Martínez E, see Gómez-Díaz B
Bain JLW, see Van Dyke JM
Baker SK, see Hooper DR
Banchs I, see Casasnovas C
Bangratz M, see Hadj-Saïd W
Banno H, see Hama T
Barnett C, see Katzberg HD
Barnett C, Perkins BA, Ngo M, Todorov S, Leung R, Bril V: Sural-to-radial amplitude ratio in the diagnosis of diabetic sensorimotor polyneuropathy, 126
Barohn RJ, see Cupler EJ
Bartoszuk-Bruzzone U, Burdzinska A, Orzechowski A, Klos Z: Protective effect of sodium ascorbate on efficacy of intramuscular transplantation of autologous muscle-derived cells, 32
Baskin B, see Al-Zaidy SA
Basu N, see Wang Y
Bathen M, see Gupta R
Beaudreuil J, see Deroide N
Beck TW, see Stock MS
Beekman R, see Pompe SM
Benatar M, Sanders DB, Burns TM, Cutter GR, Guptill JT, Baggi F, Kaminski HJ, Mantegazza R, Meriggioli MN, Quan J, Wolfe GI, The Task Force on MG Study Design of The Medical Scientific Advisory Board of The Myasthenia Gravis Foundation of America: Recommendations for myasthenia gravis clinical trials, 909
Berger KI, see Cupler EJ
Berzaczy D, see Moritz T
Berzaczy D, Moritz T, Kasprian G, Prayer D, Bodner G: Ultrasound and MR imaging of abnormal muscles of the thoracic outlet as a potential cause for compression neuropathy, 924 (Abstract)
Betensky RA, see Narayanaswami P
Bhatia R, see Usmani N
Bierner SM, see Annaswamy TM
Bigham CR, see Russo G
Bignotti B, see Russo G; Tagliafico A
Bigoni M, see Pradotto L
Binder-MacLeod SA, see Flynn S
Bird TD, see Friedman SD
Blackhall LJ: Amyotrophic lateral sclerosis and palliative care: Where we are, and the road ahead, 311
Blok JH, see Korstanje JHW
Blumbergs P, see Ellis E
Boccalm S, see Russo G
Bodner G, see Berzaczy D; Moritz T; Sachs A
Bodner GW, see Moritz T
Bolla S, Fabbri S, Bragadin M, Ursino G, Piras B, Maggi G, Reni L, Schenone A: Ultrasonography detects cervical nerve root hypertrophy in CMT 1A patients: A preliminary study, 924 (Abstract)
Bonfiglioli R, Botter A, Calabrese M, Mussoni P, Violante FS, Merletti R: Surface electromyography features in manual workers affected by carpal tunnel syndrome, 873

Bonnieu A, see Gay S
Boon AJ, Gertken JT, Watson JC, Laughlin RS, Strommen JA, Mauermann ML, Sorenson EJ: Hematoma risk after needle electromyography, 9
Botter A, see Bonfiglioli R
Bouffard A, see Jiménez-Díaz F
Bouillard K, Frère J, Hug F, Guével A: Prediction of time-to-exhaustion in the first dorsal interosseous muscle from early changes in surface electromyography parameters, 835
Boukhris S, see Mathis S
Bousson V, see Deroide N
Bragadin M, see Bolla S
Briani C, see Dalla Torre C; Erra C; Lucchetta M; Luchetta M; Padua L
Bril V, see Barnett C; Katzberg HD
Bromley CS, see Mendias CL
Brooks SV, see Mendias CL
Budech CB, see Friedman SD
Burakgazi AZ, Alsowaity B, Burakgazi ZA, Unal D, Kelly JJ: Bladder dysfunction in peripheral neuropathies, 1
Burakgazi AZ, Kelly JJ, Richardson P: The electrodiagnostic sensitivity of proximal lower extremity muscles in the diagnosis of L5 radiculopathy, 891
Burakgazi AZ, Polydefkis M, Höke A: Skin biopsy–proven flecainide-induced neuropathy, 144
Burakgazi ZA, see Burakgazi AZ
Burdzinska A, see Bartoszuk-Bruzzone U
Burke D, see Jankelowitz SK
Burns TM, see Benatar M; Sadjadi R
Butler-Browne G, see Hadj-Saïd W

C

Cacciavillani M, see Dalla Torre C
Calabrese M, see Bonfiglioli R
Campagnolo M, see Dalla Torre C
Campbell WW, see Kenney K
Campello I, see Perez-Trullen JM
Cannon CMA, see Stodieck LS
Canto P, see Gómez-Díaz B
Capablo JL, see Roche JC, 147
Caputy AJ, see Sweet JA
Cardoso F, see Gurgel-Giannetti J
Carrino JA, see Ostrow LW
Carter GT, see Friedman SD; Markert CD; Mcdonald CM
Casaer MP, see Hermans G
Casasnovas C, Banchs I, De Jorge L, Albertí MA, Martínez–Campo Y, Povedano M, Montero J, Volpini V: A novel small deletion in PMP22 causes a mild hereditary neuropathy with liability to pressure palsies phenotype, 135
Case LE, see Markert CD
Castelnovo G, see Taieb G
Catalucci D, see Llagostera E
Cauda F, see Isoardo G
Cecconi I, see Merlini L
Cengiz N, see Kavak S; Sayir F
Chatonnet A, see Hadj-Saïd W
Chazaud B, see Desguerre I
Chelly J, see Desguerre I
Chen D, see Lin H
Chen MX, see Ren JC
Chen Y, Kroski WJ, Cochrane CJ, Fitzpatrick KF: Ultrasound-guided needle electrode examination techniques, 924 (Abstract)
Choksi RM, see Pestronk A
Chouteau W, see Annaswamy TM
Chretien F, see Desguerre I
Christadoss P, see Wu X
Chroni E, Tendero IS, Punga AR, Stålberg E: Usefulness of assessing repeater F-waves in routine studies, 477
Chui KKH, see Jabre JF
Ciaramitaro P, see Isoardo G
Cicognani A, see Merlini L
Citrigno L, see Magariello A
Claes F, see Kasius KM
Clark KR, see Lowes LP
Claussen GC, see Oh SJ
Clerckx B, see Hermans G
Cobanoglu, U, see Sayir F
Cochrane CJ, see Chen Y
Cocito D, see Isoardo G
Colciago C, see Lunetta C
Comes N, see Roura-Ferrer M
Comi GP, see Angelini C
Conaway M, see Sadjadi R
Conforti FL, see Magariello A
Coral-Vázquez RM, see Gómez-Díaz B
Corbo M, see Lunetta C
Corona BT, see Rouviere C
Corse AM, see Ostrow LW
Crescimanno G, see Angelini C
Cudkowicz ME, see Andres PL; Paganoni S
Cupler EJ, Berger KI, Leshner RT, Wolfe GI, Han JJ, Barohn RJ, Kissel JT, AANEM Consensus Committee on Late-Onset Pompe Disease: Consensus treatment recommendations for late-onset Pompe disease, 319
Cutter G, see Sadjadi R
Cutter GR, see Benatar M
Cuvellier S, see Desguerre I

D

Daguet E, see Deroide N
Dalla Torre C, see Lucchetta M; Luchetta M
Dalla Torre C, Lucchetta M, Cacciavillani M, Campagnolo M, Manara R, Briani C: Reversible isolated sensory axonal neuropathy due to cobalamin deficiency, 428
D'Arcy HJS, see Werner RA
Darras BT, see Rutkove SB
Dattilo M, Moreira Antunes HK, Medeiros A, Mônico-Neto M, de Sá Souza H, Lee KS, Tufik S, Túlio de Mello M: Paradoxical sleep deprivation induces muscle atrophy, 431
Daube JR, see Milone M
Davis CS, see Mendias CL
Davis ME, see Mendias CL
de Carvalho M, see Neutel D
Defreitas JM, see Stock MS
De Haan A, see Van Leeuwen DIM
De Jorge L, see Casasnovas C
de la Lama M, see Kessler JM
de la Lama M, Kessler JM, Umans HR, Magge K, Liebling RW, Negron J: Sonographic assessment of suture artifact obscuring visualization of the digital nerve, 227
Demir H, see Kavak S; Sayir F
De Mott T, see Allet L
Deng J, see Paganoni S
DePalma L, see Sweet JA
Deroide N, Bousson V, Daguet E, Dumurgier J, Tin SNW, Hannouche D, Richette P, Beaudreuil J, Lioté F, Lévy B, Vicaut E, Laredo JD, Kubis N: Muscle magnetic resonance imaging sensitivity does not decrease in chronic, mild, or proximal lower limb neuropathies, 659
Derry KL, Venance SL, Doherty TJ: Decomposition-based quantitative electromyography in the evaluation of muscular dystrophy severity, 507
De Ruiter CJ, see Van Leeuwen DIM
de Sá Souza H, see Dattilo M
Desguerre I, Arnold L, Vignaud A, Cuvellier S, Yacoub-Youssef H, Gherardi RK, Chelly J, Chretien F, Mounier R, Ferry A, Chazaud B: A new model of experimental fibrosis in hindlimb skeletal muscle of Adult mdx mouse mimicking muscular dystrophy, 803
de Varvalho M, see Neutel D
Deverdal M, see Taieb G
Devesa J, see Devesa P
Devesa P, Gelabert M, González-Mosquera T, Gallego R, Relova JL, Devesa J, Arce VM: Growth hormone treatment enhances the functional recovery of sciatic nerves after transection and repair, 385
Diallo K, see Mathis S
Di Leo R, see Mazzeo A
DiMauro S, see Gurgel-Giannetti J
Dimitrov AG, Dimitrova NA: A possible link of oxaliplatin-induced neuropathy with potassium channel deficit, 403
Dimitrova NA, see Dimitrov AG
Di Sapio A, see Pradotto L
Dozio E, see Lunetta C
Duan D, see Hakim CH
Dumurgier J, see Deroide N

E

Eide GE, see Heldal AT
Elliott AC, see Annaswamy TM
Ellis E, Tan JA, Lester S, Tucker G, Blumbergs P, Roberts-Thomson P, Limaye V: Necrotizing myopathy: Clinicoserologic associations, 189
Elsheikh B, see Arnold WD
Ermilov LG, see Mantilla CB
Erra C, see Luchetta M; Padua L
Erra C, Granata G, Lucchetta M, Briani C, Padua L: Ultrasound follow-up of immune-mediated neuropathies: Consistency and discrepancy with clinical features, 924 (Abstract)
Escalante-Bautista D, see Gómez-Díaz B
Escobar-Cedillo RE, see Gómez-Díaz B
Evanoff BA, see Werner RA

F

Fabbri S, see Bolla S
Faber CG, see Vanhoutte EK
Faccani G, see Isoardo G
Fan XL, see Ren JC
Fecto F, Siddique T: UBQLN2/P62 cellular recycling pathways in amyotrophic lateral sclerosis and frontotemporal dementia, 157

Felipe A, see Roura-Ferrer M
Ferguson VL, see Stodieck LS
Ferlini A, see Merlini L
Fernandes AW, see Furst DE
Fernández-Valverde F, see Gómez-Díaz B
Ferrante MA: The thoracic outlet syndromes, 780
Ferry A, see Desguerre I; Hadj-Saïd W
Fetouh SK, see Schreiber AL
Figueroa JJ, see Hehir MK
Filosto M, see Angelini C
Fisci E, see Tagliafico A
Fisct E, see Russo G
Fitzpatrick KF, see Chen Y
Flanigan KM, see Lowes LP
Floeter MK, see Rakocevic G
Flynn S, Knarr BA, Perumal R, Kesar TM, Binder-MacLeod SA: Using submaximal contractions to predict the maximum force-generating ability of muscles, 849
Fondi MA: Easier nerve localization in US-guided anterior sciatic block: The "arrow sign," 924 (Abstract)
Foster WH, Tidball JG, Wang Y: p38γ activity is required for maintenance of slow skeletal muscle size, 266
Franchello A, see Pradotto L
Franzblau A, see Wang Y; Werner RA
Franzoni E, see Merlini L
Freimer M, see Arnold WD
Frère J, see Bouillard K
Friedman SD, Poliachik SL, Carter GT, Budech CB, Bird TD, Shaw DWW: The magnetic resonance imaging spectrum of facioscapulohumeral muscular dystrophy, 500
Fujino H, Kondo H, Murakami S, Nagatomo F, Fujita N, Takeda I, Ishihara A, Roy RR: Differences in capillary architecture, hemodynamics, and angiogenic factors in rat slow and fast plantarflexor muscles, 242
Fujita N, see Fujino H
Fukutake T, see Higashihara M
Fukutani A, see Miyamoto N
Furlong PA, see Markert CD
Furst DE, Amato AA, Iorga SR, Gajria K, Fernandes AW: Epidemiology of adult idiopathic inflammatory myopathies in a U.S. managed care plan, 676

G

Gabriel DA, see McIntosh KCD
Gajria K, see Furst DE
Gallego R, see Devesa P
Gambardella A, see Magariello A
Gambarota F, Krueger G, Theumann N, Mekle R: Magnetic resonance imaging of peripheral nerves: Differences in magnetization transfer, 13
Garca MF, see Kavak S
Garcia-Villanueva M, see Jimenez-Escrig A
Gawel M, see Zalewska E
Gay S, Jublanc E, Bonnieu A, Bacou F: Myostatin deficiency is associated with an increase in number of total axons and motor axons innervating mouse tibialis anterior muscle, 698
Gecit I, see Kavak S
Gelabert M, see Devesa P
Gelman BB, see Robinson-Papp J
Gennari M, see Merlini L
Gensler G, see Robinson-Papp J
Gentile L, see Mazzeo A
Gertken JT, see Boon AJ
Gherardi RK, see Desguerre I
Gielen S, see Mangner N
Gilhus NE, see Heldal AT
Gillespie B, see Wang Y
Gimenez-Muñoz A, see Perez-Trullen JM
Gnudi S, see Merlini L
Gobernado I, see Jimenez-Escrig A
Gomara MJG, see Perez-Trullen JM
Gómez-Díaz B, Rosas-Vargas H, Roque-Ramírez B, Meza-Espinoza P, Ruano-Calderón LA, Fernández-Valverde F, Escalante-Bautista D, Escobar-Cedillo RE, Sánchez-Chapul L, Vargas-Cañas S, López-Hernández LB, Bahena-Martínez E, Luna-Angulo AB, Canto P, Coral-Vázquez RM: Immunodetection analysis of muscular dystrophies in Mexico, 338
González-Mosquera T, see Devesa P
Gonzalez RS, see Kenney K
Goodrich JM, see Wang Y
Gosselink R, see Hermans G
Granata F, see Mazzeo A
Granata G, see Erra C; Lucchetta M; Luchetta M; Padua L
Grange RW, see Markert CD
Grant I, see Robinson-Papp J
Gregas MC, see Rutkove SB
Greybeck BJ, see Stodieck LS
Griffin L, see Mettler JA
Gruther W, see Moritz T
Guével A, see Bouillard K
Gumucio JP, see Mendias CL
Gundersen K, see Vikne H
Gupta R, Nassiri N, Hazel A, Bathen M, Mozaffar T: Chronic nerve compression alters Schwann cell myelin architecture in a murine model, 231
Guptill JT, see Benatar M
Guptill JT, Sharma BK, Marano A, Soucy A, Krueger A, Sanders DB: Estimated cost of treating myasthenia gravis in an insured U.S. population, 363
Gurgel-Giannetti J, Senkevics AS, Zilbersztajn-Gotlieb D, Yamamoto LU, Muniz VP, Pavanello RCM, Oliveira AB, Zatz M, Vainzof M: Thomsen or Becker myotonia? A novel autosomal recessive nonsense mutation in the CLCN1 gene associated with a mild phenotype, 279
Gurgel-Giannetti J, Teixeira Camargos S, Cardoso F, Hirano M, DiMauro S: POLG1 Arg953Cys mutation: Expanded phenotype and recessive inheritance in a Brazilian family, 453

H

Haanpää M, see Suokas KI
Hadj-Saïd W, Bangratz M, Vignaud A, Chatonnet A, Butler-Browne G, Nicole S, Agbulut O, Ferry A: Effect of locomotor training on muscle performance in the context of nerve–muscle communication dysfunction, 567
Hadlock T, see Henstrom D
Haider A, see Kojan S
Hakansson NA, Hull ML: Can the efficacy of electrically stimulated pedaling using a commercially available ergometer be improved by minimizing the muscle stress–time integral?, 393
Hakim CH, Duan D: Gender differences in contractile and passive properties of *mdx* extensor digitorum longus muscle, 250
Hama T, Hirayama M, Hara T, Nakamura T, Atsuta N, Banno H, Suzuki K, Katsuno M, Tanaka F, Sobue G: Discrimination of spinal and bulbar muscular atrophy from amyotrophic lateral sclerosis using sensory nerve action potentials, 169
Hambrecht R, see Mangner N
Hane Y, see Toru S
Han JJ, see Cupler EJ; Mcdonald CM
Hannouche D, see Deroide N
Han SH, see An X; Lee JH
Hanson AM, see Stodieck LS
Happak W, see Moritz T
Hara T, see Hama T
Hatanaka Y, see Higashihara M; Oh SJ
Hausmanowa-Petrusewicz I, see Zalewska E
Hawkins C, see Al-Zaidy SA
Hazel A, see Gupta R
Heaton JT, see Henstrom D
Hehir MK, Figueroa JJ, Zynda-Weiss AM, Stanton M, Logigian EL: Radiculopathy: Broadening the clinical spectrum unexpected neuroimaging abnormalities in patients with apparent C8, 859
Heldal AT, Eide GE, Gilhus NE: Geographical distribution of a seropositive myasthenia gravis population, 815
Henstrom D, Hadlock T, Lindsay R, Knox CJ, Malo J, Vakharia KT, Heaton JT: The convergence of facial nerve branches providing whisker pad motor supply in rats: implications for facial reanimation study, 692
Hermans G, Clerckx B, Vanhullebusch T, Segers J, Vanpee G, Robbeets C, Casaer MP, Wouters P, Gosselink R, Van Den Berghe G: Interobserver agreement of Medical Research Council sum-score and handgrip strength in the intensive care unit, 18
Hermans G, Gosselink R, Van Den Berghe G: MRC sum-score in the ICU: Good reliability does not necessarily reflect "true reliability", 768 (Reply)
Hietaharju AJ, see Suokas KI
Higashihara M, Sonoo M, Imafuku I, Fukutake T, Kamakura K, Inoue K, Hatanaka Y, Shimizu T, Tsuji S, Ugawa Y: Fasciculation potentials in amyotrophic lateral sclerosis and the diagnostic yield of the Awaji algorithm, 175
Hirano M, see Gurgel-Giannetti J
Hirano T, see Yamashita S
Hirayama M, see Hama T
Hobson-Webb LD, Kishnani PS: How common is the misdiagnosis in late-onset Pompe disease?, 301
Hoellriegel R, see Mangner N
Hoke A, see Ostrow LW
Höke A, see Burakgazi AZ
Honnorat J, see Taieb G
Hooper DR, Baker SK: Sonographic features in hereditary neuropathy with liability to pressure palsies, 921 (Reply)
Hou C, see Lin H
Hovius SER, see Korstanje JHW
Huey KA, see Meador BM
Huff CA, see Ostrow LW

Hug F, see Bouillard K
Hull ML, see Hakansson NA
Hundertmark J, see Kenney K
Hussain A, see Schreiber AL

I

Ikeda A, see Maki T
Ikpatt OF, see Usmani N
Imafuku I, see Higashihara M
Ingalls CP, see Rouviere C
Inoue K, see Higashihara M
Iorga SR, see Furst DE
Ishiguro T, see Toru S
Ishihara A, see Fujino H
Isoardo G, Stella M, Cocito D, Risso D, Migliaretti G, Cauda F, Palmitessa A, Faccani G, Ciaramitaro P: Neuropathic pain in post-burn hypertrophic scars: A psychophysical and neurophysiological study, 883
Italian Group on GSDII, see Angelini C

J

Jabre JF, Squintani GM, Chui KKH: Oxyneurography: A new technique for the measurement of nerve oxygenation, 75
Jaffa M, see Paganoni S
Jankelowitz SK, Burke D: Do the motor manifestations of Parkinson disease alter motor axon excitability?, 43
Jeong JS, see Kim JY
Jimena I, see Jiménez-Díaz F
Jiménez-Díaz F, Jimena I, Luque E, Mendiz?bal S, Bouffard A, Jiménez-Reina L, Peña J: Experimental muscle injury: Correlation between ultrasound and histological findings, 705
Jimenez-Escrig A, Gobernado I, Garcia-Villanueva M, Sanchez-Herranz A: Autosomal recessive Emery–Dreifuss muscular dystrophy caused by a novel mutation (R225Q) in the *lamin A/C* gene identified by exome sequencing, 605
Jiménez-Reina L, see Jiménez-Díaz F
Jones Jr. LK, see Reda H
Jones RV, see Sweet JA
Jublanc E, see Gay S

K

Kaliman P, see Llagostera E
Kamakura K, see Higashihara M
Kaminski HJ, see Benatar M; Song C
Kang HJ, see Yoon JS
Kara M, Tiftik T, Yetisgin A, Ural G, Özçakar L: Ultrasound in the diagnosis and treatment of posterior interosseous nerve entrapment: A case report, 299
Kasius KM, Claes F, Verhagen WI, Meulstee J: Ultrasonography in severe carpal tunnel syndrome, 334
Kaspar BK, see Lowes LP
Kasprian G, see Berzaczy D
Katsuno M, see Hama T
Katzberg HD, Barnett C, Bril V: Predictors of response to immunomodulation in patients with myasthenia gravis, 648
Kautiainen H, see Suokas KI
Kavak S, see Sayir F
Kavak S, Garca MF, Gecit I, Meral İ, Cengiz N, Demir H: Effects of extracorporeal shock-wave lithotripsy directed at the parotid gland on oxidative stress parameters and some trace element levels in facial nerve of rats, 562
Kawakami Y, see Miyamoto N
Kelly JJ, see Burakgazi AZ
Kenney K, Landau ME, Gonzalez RS, Hundertmark J, O'Brien K, Campbell WW: Serum creatine kinase after exercise: Drawing the line between physiological response and exertional rhabdomyolysis, 356
Kesar TM, see Flynn S
Kessler JM, see de la Lama M
Kessler JM, de la Lama M, Umans HR, NEgron J: High-frequency sonography of the volar digital nerves of the hand, 222
Khan S, Zhou L: Characterization of non–length-dependent small-fiber sensory neuropathy, 86
Khathaami A, see Kojan S
Kim H, see Allet L
Kim JY, Yoon JS, Kim SJ, Won SJ, Jeong JS: Carpal tunnel syndrome: Clinical, electrophysiological, and ultrasonographic ratio after surgery, 183
Kim SJ, see Kim JY
Kimura E, see Yamashita S
Kira JI, see Watanabe M
Kishnani PS, see Hobson-Webb LD
Kissel JT, see Arnold WD; Cupler EJ
Klauser A, see Tagliafico A
Klos Z, see Bartoszuk-Bruzzone U
Knarr BA, see Flynn S
Knox CJ, see Henstrom D
Kobayashi T, see Toru S
Kohara N, see Maki T
Kojan S, Alothman A, Althani Z, Alshehri A, Mansour N, Khathaami A, Haider A, Al-Jumah M: Granulomatous myositis associated with brucellosis: A case report and literature review, 290
Kondo H, see Fujino H
Kondo T, see Maki T
Korfage JAM, Wang J, Lie SHJTJ, Langenbach GEJ: Influence of botulinum toxin on rabbit jaw muscle activity and anatomy, 684
Kornhuber M, see Parthey K
Korstanje JHW, Scheltens-De Boer M, Blok JH, Amadio PC, Hovius SER, Stam HJ, Selles RW: Ultrasonographic assessment of longitudinal median nerve and hand flexor tendon dynamics in carpal tunnel syndrome, 721
Kostyukov AI, see Pilyavskii AI
Kothari MJ, see Ahmed A
Koutroumanidis M, see Tan SV
Kouyoumdjian JA, Stålberg EV: Concentric needle jitter in stimulated frontalis in 20 healthy subjects, 276
Kress W, see Schessl J
Krishna VR, see Arnold WD
Kroski WJ, see Chen Y
Krueger A, see Guptill JT
Krueger G, see Gambarota F
Kubis N, see Deroide N
Kudo S, see Suzuki N
Kumaravel M, see Nguyen T
Kunze C, see Parthey K
Kurokawa K, see Oh SJ
Kwon SO, see Lee JH

L

Labauge P, see Taieb G
Lammens MMY, see Arts IMP
Landau ME, see Kenney K
Laredo JD, see Deroide N
Laughlin RS, see Boon AJ
Lee BN, see Lee JH
Lee JH, see An X
Lee JH, Han SH, Ye JH, Lee BN, An X, Kwon SO: Effective zone of botulinum toxin a injections in hallux claw toe syndrome: An anatomical study, 217
Lee KS, see Dattilo M
Lee MS, see An X
Lee SJ, see Therimadasamy A
Leis AA, Stokic DS, Petzold A: Glial S100B is elevated in serum across the spectrum of West Nile virus infection, 826
Leshner RT, see Cupler EJ
Lester S, see Ellis E
Leung R, see Barnett C
Lévy B, see Deroide N
Lieber RL, see Tuttle LJ
Liebling RW, see de la Lama M
Liestøl K, see Vikne H
Li HF, Xie YC: Does increased serum IL-17 level imply its pathogenic role in myasthenia gravis?, 147
Li J, see Wu X
Limaye V, see Ellis E
Lim AYT, see Therimadasamy A
Lim J, see Park KA
Lin C, see An X
Lindsay R, see Henstrom D
Lin H, see Song C
Lin H, Hou C, Chen D: Full-length phrenic nerve transfer as the treatment for brachial plexus avulsion injury to restore wrist and finger extension, 39
Lioté F, see Deroide N
Li Z, see Song C
Llagostera E, Álvarez López MJ, Scimia C, Catalucci D, Párrizas M, Ruiz-Lozano P, Kaliman P: Altered β-adrenergic response in mice lacking myotonic dystrophy protein kinase, 128
Logigian EL, see Hehir MK
Longo S, see Simoneau EM
López-Hernández LB, see Gómez-Díaz B
Lowes LP, Alfano L, Viollet L, Rosales XQ, Sahenk Z, Kaspar BK, Clark KR, Flanigan KM, Mendell JR, McDermott MP: Knee extensor strength exhibits potential to predict function in sporadic inclusion-body myositis, 163
Lucchetta M, see Dalla Torre C; Erra C; Padua L
Lucchetta M, Dalla Torre C, Granata G, Briani C, Padua L: Sonographic features in hereditary neuropathy with liability to pressure palsies, 920
Luchetta M, Dalla Torre C, Granata G, Erra C, Pazzaglia C, Briani C, Padua L: Ultrasound evaluation in CIDP patients: Cross sectional area correlates with CSF protein level, 924 (Abstract)
Luna-Angulo AB, see Gómez-Díaz B
Lunetta C, Serafini M, Prelle A, Magni P, Dozio E, Ruscica M, Sassone J, Colciago C, Moggio M, Corbo M, Silani V: Impaired expression of insulin-like growth factor-1 system in skeletal muscle of amyotrophic lateral sclerosis patients, 200
Luque E, see Jiménez-Díaz F

M

Maeda Y, see Yamashita S
Magariello A, Tortorella C, Citrigno L, Patitucci A, Tortelli R, Mazzei R, Conforti FL, Ungaro C, Sproviero W, Gambardella A, Muglia M: The p.Arg416Cys mutation in SPG3A gene associated with a pure form of spastic paraplegia, 919
Magge K, see de la Lama M
Maggi G, see Bolla S
Magni P, see Lunetta C
Magy L, see Mathis S
Mah JK, see Mcdonald CM
Maisky VA, see Pilyavskii AI
Makihara Y, Segal RL, Wolpaw JR, Thompson AK: H-reflex modulation in the human medial and lateral gastrocnemii during standing and walking, 116
Maki T, Matsumoto R, Kohara N, Kondo T, Son I, Mezaki T, Nishino I, Ikeda A, Takahashi R: Rippling is not always electrically silent in rippling muscle disease, 303 (Erratum)
Malaspina E, see Merlini L
Mælen J, see Vikne H
Malo J, see Henstrom D
Mammen AL, see Ostrow LW
Manara R, see Dalla Torre C
Mangner N, Adams V, Sandri M, Hoellriegel R, Hambrecht R, Schuler G, Gielen S: Muscle function and running activity in mouse models of hereditary muscle dystrophy: Impact of double knockout for dystrophin and the transcription factor MYoD, 544
Mansour N, see Kojan S
Manta P, see Papadopoulos C
Mantegazza R, see Benatar M
Mantilla CB, Ermilov LG: The novel TrkB receptor agonist 7,8-dihydroxyflavone enhances neuromuscular transmission, 274
Marano A, see Guptill JT
Markert CD, Case LE, Carter GT, Furlong PA, Grange RW: Exercise and Duchenne muscular dystrophy: Where we have been and where we need to go, 746
Marrosu G, see Angelini C
Martínez–Campo Y, see Casasnovas C
Martinoli C, see Padua L; Russo G; Tagliafico A
Massa R, see Terracciano C
Mathis S, Magy L, Diallo K, Boukhris S, Vallat JM: Amyloid neuropathy mimicking chronic inflammatory demyelinating polyneuropathy, 26
Matsumoto R, see Maki T
Matsuo T, see Watanabe M
Mauermann ML, see Boon AJ
Mauro A, see Pradotto L
Maznychenko AV, see Pilyavskii AI
Mazzei R, see Magariello A
Mazzeo A, Stancanelli C, Russo M, Granata F, Gentile L, Di Leo R, Vita G, Nobile-Orazio E, Toscano A: Subacute inflammatory demyelinating polyneuropathy disclosed by massive nerve root enhancement in CMT1A, 451
Mazzola MA, see Russo G
McDermott MP, see Lowes LP
Mcdonald CM, Han JJ, Mah JK, Carter GT: Corticosteroids and Duchenne muscular dystrophy: Does earlier treatment really matter?, 777
Mcevoy KM, see Milone M
McIntosh KCD, Gabriel DA: Reliability of a simple method for determining muscle fiber conduction velocity, 257
Meador BM, Huey KA: Statin-associated changes in skeletal muscle function and stress response after novel or accustomed exercise., 149 (Errata)
Medeiros A, see Dattilo M
Mekle R, see Gambarota F
Mendell JR, see Lowes LP
Mendias CL, Gumucio JP, Davis ME, Bromley CS, Davis CS, Brooks SV: Transforming growth factor-beta induces skeletal muscle atrophy and fibrosis through the induction of atrogin-1 and scleraxis, 55
Mendiz?bal S, see Jiménez-Díaz F
Menon P, see Moore D
Meral Í, see Kavak S; Sayir F
Meriggioli MN, see Benatar M
Merkies ISJ, see Vanhoutte EK
Merletti R, see Bonfiglioli R
Merlini L, Gennari M, Malaspina E, Cecconi I, Armaroli A, Gnudi S, Talim B, Ferlini A, Cicognani A, Franzoni E: Early corticosteroid treatment in 4 Duchenne muscular dystrophy patients: 14-year follow-up, 796
Mettler JA, Griffin L: Postactivation potentiation and muscular endurance training, 416
Meulstee J, see Kasius KM
Meza-Espinoza P, see Gómez-Díaz B
Mezaki T, see Maki T
MG Composite MG-QOL15 Study Group, see Sadjadi R
Miao J, see Song C
Migliaretti G, see Isoardo G
Milesi A, see Pradotto L
Mills KR, see Tan SV
Milone M, Mcevoy KM, Sorenson EJ, Daube JR: Myotonia associated with caveolin-3 mutation, 897
Miltenberger-Miltenyi G, see Neutel D
Miyamoto N, Fukutani A, Yanai T, Kawakami Y: Twitch potentiation after voluntary contraction and neuromuscular electrical stimulation at various frequencies in human quadriceps femoris, 110
Moggio M, see Angelini C; Lunetta C
Mongini T, see Angelini C
Mônico-Neto M, see Dattilo M
Montel S, Albertini L, Spitz E: Coping strategies in relation to quality of life in amyotrophic lateral sclerosis, 131
Montero J, see Casasnovas C
Moore D, Menon P, Vucic S: Clarifying distal axonal properties of the median nerve, 492
Morandi L, see Angelini C
Moreira Antunes HK, see Dattilo M
Morgello S, see Robinson-Papp J
Mori A, see Yamashita S
Moritz T, see Berzaczy D; Sachs A
Moritz T, Berzaczy D, Happak W, Bodner G: Anatomy and pathology of nerves around the cervical plexus as seen with high resolution sonography, 925 (Abstract)
Moritz T, Gruther W, Berzaczy D, Sachs A, Happak W, Bodner GW: Interventional ultrasound in the diagnosis and therapy of chronic regional pain syndrome (CRPS) – Preliminary findings, 924 (Abstract)
Morrison BM, see Ostrow LW
Mounier R, see Desguerre I
Mozaffar T, see Gupta R
Muglia M, see Magariello A
Muniz VP, see Gurgel-Giannetti J
Munsat TL, see Andres PL
Murakami S, see Fujino H
Mussoni P, see Bonfiglioli R
Musumeci O, see Angelini C

N

Nagafuchi S, see Watanabe M
Nagatomo F, see Fujino H
Naidu S, see Therimadasamy A
Nakamura T, see Hama T
Narayanaswami P, Pantoja-Galicia N, Betensky RA, Rutkove SB: Application of futility analysis to refine jitter recordings in myasthenia gravis, 486
Narici MV, see Simoneau EM
Narikawa K, see Suzuki N
Nassiri N, see Gupta R
National NeuroAIDS Tissue Consortium, see Robinson-Papp J
Negron J, see de la Lama M; Kessler JM
Neutel D, Miltenberger-Miltenyi G, Silva I, de Carvalho M: Chorea-acanthocytosis presenting as motor neuron disease, 293, 456 (Erratum)
Ngo M, see Barnett C
Nguyen T, Sen M, Kumaravel M, Athar P, Sheikh KA: An unusual cause of thenar hypertrophy and carpal tunnel syndrome, 296
Nicole S, see Hadj-Saïd W
Nikolin S, see Parthey K
Nishino I, see Maki T; Sato S
Nobile-Orazio E, see Mazzeo A
Nolte KW, see Parthey K

O

O'Brien K, see Kenney K
Ochi H, see Watanabe M
Ohara M, see Toru S
Ohira M, see Oh SJ
Ohi T, see Sato S
Oh SJ, Hatanaka Y, Ohira M, Kurokawa K, Claussen GC: Clinical utility of sensory nerve conduction of medial femoral cutaneous nerve, 195
Oh SY, see Park KA
Ohyagi Y, see Watanabe M
Oliveira AB, see Gurgel-Giannetti J
Oliveras A, see Roura-Ferrer M
Orzechowski A, see Bartoszuk-Bruzzone U
Ostrow LW, Corse AM, Morrison BM, Huff CA, Carrino JA, Hoke A, Mammen AL: Expanding the spectrum of monoclonal light chain deposition disease in muscle, 755
Overeem S, see Arts IMP
Özçakar L, see Kara M

P

Padua L, see Erra C; Lucchetta M; Luchetta M; Russo G; Tagliafico A
Padua L, Martinoli C, Pazzaglia C, Lucchetta M, Granata G, Erra C, Briani C: Intra- and internerve cross-sectional area variability: New ultrasound measures, 730
Paganoni S, Deng J, Jaffa M, Cudkowicz ME, Wills AM: What does body mass index measure in amyotrophic lateral sclerosis and why should we care?, 612
Palmitessa A, see Isoardo G
Pantoja-Galicia N, see Narayanaswami P
Papadimas GK, see Papadopoulos C
Papadopoulos C, Papadimas GK, Spengos K, Manta P: Pretreatment antibodies against acid α-glycosidase in a patient with late-onset Pompe disease, 452
Park KA, Lim J, Sohn S, Oh SY: Myosin heavy chain isoform expression in human extraocular muscles: Longitudinal variation and patterns of expression in global and orbital layers, 713
Párrizas M, see Llagostera E
Parthey K, Kornhuber M, Kunze C, Wand D, Nolte KW, Nikolin S, Weis J, Schröder JM:
SOX10 mutation with peripheral amyelination and developmental disturbance of axons, 284
Patitucci A, see Magariello A
Pavanello RCM, see Gurgel-Giannetti J
Pazzaglia C, see Luchetta M; Padua L
Pegoraro E, see Angelini C
Peña J, see Jiménez-Díaz F
Perez MM, see Tagliafico A
Perez-Trullen JM, Gimenez-Muñoz A, Roche JC, Campello I, Gomara MJG, Valiente SS: Goya and a possible first visual representation of Charcot-Marie-Tooth disease, 766
Perkins BA, see Barnett C
Perumal R, see Flynn S
Pestronk A, Schmidt RE, Choksi RM, Sommerville RB, Al-Lozi MT: Clinical and laboratory features of neuropathies with serum IgM binding to TS-HDS, 866
Petzold A, see Leis AA
Phillips LH II: Acknowledgment: Ad hoc reviewers, viii
Phillips LH II: Between the covers: This month's main articles, v, vi
Phillips LH II: From the editor, 1
Phillips LH II: Some changes at the journal, 463
Pillen S, see Arts IMP
Pilyavskii AI, Maisky VA, Maznychenko AV, Kostyukov AI: 7-Nitroindazole potentiates *c-fos* expression induced by muscle tendon vibration in the spinal cord, 597
Piras B, see Bolla S
Pirris S, see Rahmlow MR
Poliachik SL, see Friedman SD
Polus BI, see Sasaki H
Polydefkis M, see Burakgazi AZ
Pompe SM, Beekman R: Which ultrasonographic measure has the upper hand in ulnar neuropathy at the elbow?, 925 (Abstract)
Povedano M, see Casasnovas C
Pradotto L, Franchello A, Milesi A, Romagnoli R, Bigoni M, Vigna L, Di Sapio A, Salizzoni M, Mauro A: Amyloid polyneuropathy following domino liver transplantation, 918
Prayer D, see Berzaczy D
Prelle A, see Lunetta C
Pretterklieber M, see Sachs A
Probert S, see Tan SV
Punga AR, see Chroni E

Q

Qi H, see Wu X
Quan J, see Benatar M

R

Rahmlow MR, Pirris S, Rubin DI: A rare anterior spinal epidural cyst mimicking Hirayama disease, 445
Rajabally YA, see Sanvito L
Rakocevic G, see Schreiber AL
Rakocevic G, Floeter MK: Autoimmune stiff person syndrome and related myelopathies: understanding of electrophysiological and immunological processes, 623
Rastelli E, see Terracciano C
Ravaglia S, see Angelini C
Ray PN, see Al-Zaidy SA
Reda H, Watson JC, Jones Jr. LK: Zoster-associated mononeuropathies (ZAMs): A retrospective series, 734
Relova JL, see Devesa P
Renard D, see Taieb G
Reni L, see Bolla S
Ren JC, Fan XL, Song XA, Zhao XH, Chen MX, Shi L: Prolonged hindlimb unloading leads to changes in electrophysiological properties of L5 dorsal root ganglion neurons in rats after 14 days, 65
Richardson JK, see Allet L
Richardson P, see Burakgazi AZ
Richette P, see Deroide N
Riley DA, see Van Dyke JM
Risso D, see Isoardo G
Robbeets C, see Hermans G
Roberts-Thomson P, see Ellis E
Robinson-Papp J, Gelman BB, Grant I, Singer E, Gensler G, Morgello S, National NeuroAIDS Tissue Consortium: Substance abuse increases the risk of neuropathy in an HIV-infected cohort, 471
Roche JC, see Perez-Trullen JM
Roche JC, Capablo JL: Does increased serum IL-17 level imply its pathogenic role in myasthenia gravis?, 147 (Reply)
Romagnoli R, see Pradotto L
Roque-Ramírez B, see Gómez-Díaz B
Rosales XQ, see Lowes LP
Rosas-Vargas H, see Gómez-Díaz B
Roura-Ferrer M, Solé L, Oliveras A, Villarroel A, Comes N, Felipe A: Targeting of Kv7.5 (KCNQ5)/KCNE channels to surface microdomains of cell membranes, 48
Rouviere C, Corona BT, Ingalls CP: Oxidative capacity and fatigability in run-trained malignant hyperthermia–susceptible mice, 586
Rowinska-Marcinska K, see Zalewska E
Roy RR, see Fujino H
Ruano-Calderón LA, see Gómez-Díaz B
Rubin DI, see Rahmlow MR
Ruiz-Lozano P, see Llagostera E
Ruscica M, see Lunetta C
Russo G, Mazzola MA, Fisct E, Bigham CR, Boccalm S, BIgnotti B, Tagliafico A, Padua L, Martinoli C: Imaging of posterior interosseus nerve entrapment at the distal edge of the supinator muscle, 925 (Abstract)
Russo M, see Mazzeo A
Rutkove SB, see Narayanaswami P
Rutkove SB, Gregas MC, Darras BT: Electrical impedance myography in spinal muscular atrophy: A longitudinal study, 642

S

Sachs A, see Moritz T
Sachs A, Moritz T, Bodner G, Pretterklieber M: Ultrasound-guided detection of sensory afferent nerves of the forearm in cadavers – A feasibility study, 925 (Abstract)
Sadjadi R, Conaway M, Cutter G, Sanders DB, Burns TM, MG Composite MG-QOL15 Study Group: Psychometric evaluation of the Myasthenia Gravis Composite using Rasch analysis, 820
Sahenk Z, see Lowes LP
Saini SS, see Wu X
Sakaguchi H, see Yamashita S
Salizzoni M, see Pradotto L
Sánchez-Chapul L, see Gómez-Díaz B
Sanchez-Herranz A, see Jimenez-Escrig A
Sanders DB, see Benatar M; Guptill JT; Sadjadi R
Sanders S, see Tan SV
Sandford F, see Tan SV
Sandri M, see Mangner N
Sanvito L, Wong SL, Rajabally YA: Chronic inflammatory demyelinating polyneuropathy associated with alopecia totalis and Sjögren syndrome, 762
Sasaki H, Polus BI: Can neck muscle spindle afferents activate fusimotor neurons of the lower limb?, 376
Sassone J, see Lunetta C
Sato S, Ohi T, Nishino I, Sugie H: Confirmation of the efficacy of vitamin B6 supplementation for McArdle disease by follow-up muscle biopsy, 436
Sayir F, Kavak S, Meral İ, Demir H, Cengiz N, Çobanoglu, U: Effect of crush and axotomy of phrenic nerves on oxidative stress in diaphragm muscle of rats, 412
Schelhaas HJ, see Arts IMP
Scheltens-De Boer M, see Korstanje JHW
Schenone A, see Bolla S
Schessl J, Kress W, Schoser B: Novel *ANO5* mutations causing hyper-CK-emia, limb girdle muscular weakness and Miyoshi type of muscular dystrophy, 740
Schmidt RE, see Pestronk A
Schoenfeld DA, see Andres PL

Schoser B, see Schessl J
Schreiber AL, Vasudevan JM, Fetouh SK, Ankam NS, Hussain A, Rakocevic G: Atypical clinically diagnosed stiff-person syndrome response to dantrolene—A refractory case, 454
Schröder JM, see Parthey K
Schuler G, see Mangner N
Scimia C, see Llagostera E
Segal RL, see Makihara Y
Segers J, see Hermans G
Selles RW, see Korstanje JHW
Semplicini C, see Angelini C
Senkevics AS, see Gurgel-Giannetti J
Sen M, see Nguyen T
Serafini M, see Lunetta C
Servidei S, see Angelini C
Seynnes OR, see Simoneau EM
Sharma BK, see Guptill JT
Sharma KR, see Usmani N
Shaw DWW, see Friedman SD
Sheikh KA, see Nguyen T
Shi L, see Ren JC
Shimizu T, see Higashihara M
Siciliano G, see Angelini C
Siddique T, see Fecto F
Silani V, see Lunetta C
Silva I, see Neutel D
Simoneau EM, Longo S, Seynnes OR, Narici MV: Human muscle fascicle behavior in agonist and antagonist isometric contractions, 92
Simske SJ, see Stodieck LS
Singer E, see Robinson-Papp J
Singer MA, see Waung MW
Siu A, see Sweet JA
Skerry LM, see Andres PL
Sobue G, see Hama T
Sohn S, see Park KA
Solé L, see Roura-Ferrer M
Sommerville RB, see Pestronk A
Song C, Xu Z, Miao J, Xu J, Wu X, Zhang F, Lin H, Li Z, Kaminski HJ: Protective effect of ScFv-DAF fusion protein on the complement attack to acetylcholine receptor: A possible option for treatment of myasthenia gravis, 668
Song XA, see Ren JC
Son I, see Maki T
Sonoo M, see Higashihara M
Sorenson EJ, see Boon AJ; Milone M
Soucy A, see Guptill JT
Spengos K, see Papadopoulos C
Spiegelberg T, see Werner RA
Spitz E, see Montel S
Sproviero W, see Magariello A
Squintani GM, see Jabre JF
Stålberg E, see Chroni E
Stålberg EV, see Kouyoumdjian JA
Stam HJ, see Korstanje JHW
Stancanelli C, see Mazzeo A
Stanton M, see Hehir MK
Stella M, see Isoardo G
Stevenson M, see Tan SV
Stock MS, Beck TW, Defreitas JM: Effects of fatigue on motor unit firing rate versus recruitment threshold relationships, 100
Stodieck LS, Greybeck BJ, Cannon CMA, Hanson AM, Young MH, Simske SJ, Ferguson VL: *In vivo* measurement of hindlimb neuromuscular function in mice, 536
Stokic DS, see Leis AA
Strommen JA, see Boon AJ
Sugie H, see Sato S
Suokas KI, Haanpää M, Kautiainen H, Udd B, Hietaharju AJ: Pain in patients with myotonic dystrophy type 2: A postal survey in Finland, 70
Suzuki H, see Suzuki N
Suzuki K, see Hama T
Suzuki N, Takahashi T, Suzuki Y, Narikawa K, Kudo S, Suzuki H, Tateyama M, Aoki M: An autopsy case of a dysferlinopathy patient with cardiac involvement, 298
Suzuki Y, see Suzuki N
Sweet JA, Jones RV, Siu A, DePalma L, Caputy AJ: Relapsed acute myelogenous leukemia of brachial plexus after marrow transplant, 440
Szelenyi ER, Urso MI: Time-course analysis of injured skeletal muscle suggests a critical involvement of ERK1/2 signaling in the acute inflammatory response, 552
Szymonifka J, see Andres PL

T

Tagliafico A, see Russo G
Tagliafico A, Padua L, Martinoli C: High-resolution ultrasonography in the assessment of meralgia paresthetica: Some clarifications are needed, 922
Tagliafico A, Perez MM, Bignotti B, Fisci E, Klauser A, Martinoli C: High resolution ultrasound of the pudendal nerve, 925 (Abstract)
Taieb G, Renard D, Deverdal M, Honnorat J, Labauge P, Castelnovo G: Pure monomelic sensory neuronopathy associated with anti-Yo antibodies, 297
Takahashi R, see Maki T
Takahashi T, see Suzuki N
Takeda I, see Fujino H
Talim B, see Merlini L
Tanaka F, see Hama T
Tan JA, see Ellis E
Tan SV, Sandford F, Stevenson M, Probert S, Sanders S, Mills KR, Koutroumanidis M: Hand-held nerve conduction device in carpal tunnel syndrome: A prospective study, 635
The Task Force on MG Study Design of The Medical Scientific Advisory Board of The Myasthenia Gravis Foundation of America, see Benatar M
Tateyama M, see Suzuki N
Teixeira Camargos S, see Gurgel-Giannetti J
Tendero IS, see Chroni E
Terracciano C, Rastelli E, Massa R: Periodic acid–Schiff staining on resin muscle sections: Improvement in the histological diagnosis of late-onset Pompe disease, 611
Therimadasamy A, Wilder-Smith EP, Lim AYT, Yap YL, Yeo M, Naidu S, Lee SJ: Supraorbital nerve conduction study in normal subjects, 603
Theumann N, see Gambarota F
Thompson AK, see Makihara Y
Thornell BJ, see Andres PL
Tidball JG, see Foster WH
Tiftik T, see Kara M
Tin SNW, see Deroide N
Todorov S, see Barnett C
Tong HC, see Werner RA
Tonin P, see Angelini C
Tortelli R, see Magariello A
Tortorella C, see Magariello A
Toru S, Ohara M, Hane Y, Ishiguro T, Kobayashi T: Successful steroid treatment for recurrent Miller Fisher syndrome, 763
Toscano A, see Angelini C; Mazzeo A
Tsuji S, see Higashihara M
Tucker G, see Ellis E
Tufik S, see Dattilo M
Túlio de Mello M, see Dattilo M
Tuttle LJ, Ward SR, Lieber RL: Sample size considerations in human muscle architecture studies, 742
Tuzun E, see Wu X

U

Ubogu EE, see Zafar SF
Uchino M, see Yamashita S
Udd B, see Suokas KI
Ugawa Y, see Higashihara M
Umans HR, see de la Lama M; Kessler JM
Unal D, see Burakgazi AZ
Uncini A, Yuki N: Sensory Guillain-Barré syndrome and related disorders: An attempt at systematization, 463
Ungaro C, see Magariello A
Ural G, see Kara M
Ursino G, see Bolla S
Urso MI, see Szelenyi ER
Usmani N, Bhatia R, Ikpatt OF, Sharma KR: Diffuse large B-cell lymphoma presenting as Miller Fisher syndrome, 138

V

Vainzof M, see Gurgel-Giannetti J
Vajsar J, see Al-Zaidy SA
Vakharia KT, see Henstrom D
Valiente SS, see Perez-Trullen JM
Vallat JM, see Mathis S
Van Den Berghe G, see Hermans G
van der Laak JAWM, see Arts IMP
Van Dyke JM, Bain JLW, Riley DA: Preserving sarcomere number after tenotomy requires stretch and contraction, 367
Vanhoutte EK, Faber CG, Merkies ISJ: MRC sum-score in the ICU: Good reliability does not necessarily reflect "true reliability", 767
Vanhullebusch T, see Hermans G
Van Leeuwen DIM, De Ruiter CJ, De Haan A: Effect of stimulation intensity on assessment of voluntary activation, 841
Vanpee G, see Hermans G
Vargas-Cañas S, see Gómez-Díaz B
Vasudevan JM, see Schreiber AL
Venance SL, Doherty TJ, see Derry KL
Verhagen WI, see Kasius KM
Verrijp KCN, see Arts IMP
Vicaut E, see Deroide N
Vigna L, see Pradotto L
Vignaud A, see Desguerre I; Hadj-Saïd W
Vikne H, Gundersen K, Liestøl K, Mælen J, Nina Vøllestad N: Intermuscular relationship of human muscle fiber type proportions: slow leg muscles

predict slow neck muscles, 527
Villarroel A, see Roura-Ferrer M
Violante FS, see Bonfiglioli R
Viollet L, see Lowes LP
Vita G, see Mazzeo A
Vøllestad N, see Vikne H
Volpini V, see Casasnovas C
Vucic S, see Moore D

W

Wand D, see Parthey K
Wang Y, see Foster WH
Wang Y, Goodrich JM, Werner R, Gillespie B, Basu N, Franzblau A: Agreement between clinical screening procedures for neuropathy in the feet, 653
Ward SR, see Tuttle LJ
Watanabe M, Ochi H, Arahata H, Matsuo T, Nagafuchi S, Ohyagi Y, Kira JI: Myopathy in autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy, 904
Watson JC, see Boon AJ; Reda H
Waung MW, Singer MA: An unusual case of Miller Fisher syndrome presenting with proptosis and chemosis, 764
Weis J, see Parthey K
Werner R, see Wang Y
Werner RA, Franzblau A, D'Arcy HJS, Evanoff BA: Tong HC, Differential aging of median and ulnar sensory nerve parameters, 60
Werner RA, Spiegelberg T: Does the presence of the palmaris longus tendon influence median nerve function?, 895
Wilder-Smith EP, see Aravindakannan T; Therimadasamy A
Wills AM, see Paganoni S
Wolfe GI, see Benatar M; Cupler EJ
Wolpaw JR, see Makihara Y
Wong SL, see Sanvito L
Won SJ, see Kim JY; Yoon JS
Wouters P, see Hermans G
Wu X, see Song C
Wu X, Tuzun E, Li J, Xiao T, Saini SS, Qi H, Allman W, Christadoss P: Ocular and generalized myasthenia gravis induced by human acetylcholine receptor γ subunit immunization, 209

X

Xiao T, see Wu X
Xie YC, see Li HF
Xu J, see Song C
Xu Z, see Song C

Y

Yacoub-Youssef H, see Desguerre I
Yamamoto LU, see Gurgel-Giannetti J
Yamashita S, Sakaguchi H, Mori A, Kimura E, Maeda Y, Hirano T, Uchino M: Significant CMAP decrement by repetitive nerve stimulation is more frequent in median than ulnar nerves of patients with amyotrophic lateral sclerosis, 426
Yanai T, see Miyamoto N
Yang SN, see Yoon JS
Yap YL, see Therimadasamy A
Ye JH, see Lee JH
Yeo M, see Therimadasamy A
Yetisgin A, see Kara M
Yoon G, see Al-Zaidy SA
Yoon JS, see Kim JY
Yoon JS, Won SJ, Yang SN, Kang HJ: Nerve cross-sectional area reference values in upper extremity ultrasonography, 925 (Abstract)
Young MH, see Stodieck LS
Yue B, see An X
Yuki N, see Uncini A

Z

Zafar SF, Ubogu EE: Subacute brachial diplegia associated with West Nile virus myelitis, 900
Zalewska E, Rowinska-Marcinska K, Gawel M, Hausmanowa-Petrusewicz I: Simulation studies on the motor unit potentials with satellite components in amyotrophic lateral sclerosis and spinal muscle atrophy, 514
Zatz M, see Gurgel-Giannetti J
Zhang F, see Song C
Zhao XH, see Ren JC
Zhou L, see Khan S
Zilbersztajn-Gotlieb D, see Gurgel-Giannetti J
Zwarts MJ, see Arts IMP
Zynda-Weiss AM, see Hehir MK